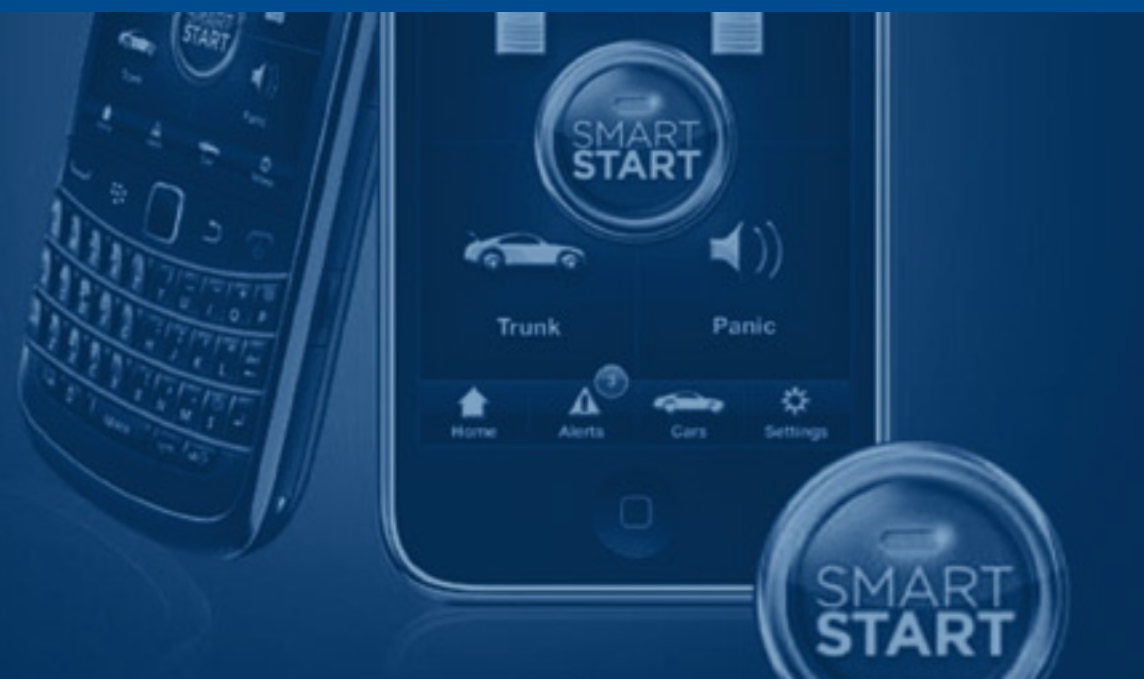


SECURITY



VEHICLE
SECURITY

INTRODUCTION

Armour Security

New for 2010, Armour Automotive reintroduce the Avital security brand to the UK, after a five year absence. Avital offers entry level affordable piece of mind through security, and hybrid systems.

Directed Electronics is the world leader in vehicle security and remote start, winning scores of major awards, and the loyalty of millions of satisfied customers from around the globe. With brands like Clifford, Viper, Avital and Hornet, Directed has the unrivalled No.1 market share in consumer branded vehicle security and remote start.

CLIFFORD

The Science of Security.

For more than 20 years, Clifford has revolutionised vehicle security technology time and time again with the most innovative breakthroughs and sophisticated concepts in the industry. Award-winning Clifford G5 and CAN Bus systems are powerful, sleek and modern. Clifford systems are so intimidating to thieves, yet convenient for the user.

VIPER

In the UK, over 1 million vehicles are broken into or vandalised every year with over 200,000 vehicles stolen. Don't be a statistic - so called "factory security" simply does not provide the protection you need to keep your vehicle and its contents safe. That's where Viper comes in. Viper is one of the most recognised name in vehicle security and remote start systems. Let Viper protect your investment.

HORNET AVITAL

Hornet is one of the world's best-selling mobile electronics brands. Hornet is synonymous with high quality vehicle security systems, and its slogan ("Put the Sting on Crime") is known to consumers around the world. For nearly 20 years, Avital has been one of the biggest names in vehicle security and remote start. Wherever cars are stolen, consumers look to the security and convenience of Avital - and year after year Avital delivers!. The popular Avital® brand is one of Directed's most successful remote start lines, with these best selling Avital® security systems rounding out a product mix that offers more solutions than ever before!

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CLIFFORD

The Science of Security™

For more than 20 years, Clifford has revolutionised vehicle security technology time and time again with the most innovative breakthroughs and sophisticated concepts in the industry. Clifford G5 systems are powerful, sleek and modern. Clifford systems are so intimidating to thieves, yet so convenient for users.

In the UK, over 1 million vehicles are broken into or vandalised every year with over 200,000 vehicles stolen. Don't be a statistic. So-called "factory security" simply doesn't provide enough protection. That's where Clifford comes in. Clifford's award-winning G5 and CAN security systems are intelligent, powerful, sleek and modern.



Vehicle Security



Remote Start



Convenience

KEY TECHNOLOGY

Clifford security and remote start systems feature the latest technologies developed by our engineers making Clifford the industry leader.



G5 is the revolutionary Fifth Generation in The Science of Security: the first major vehicle security advancement of the 21st century.



XR+ Extreme Range superheterodyne receiver offers an improved image rejection for certain types of RF interference, resulting in improved reliability.



ESP2 is Directed's exclusive serial communications protocol that allows extra ultra-security, high-speed communication between systems and enables many of Directed's key features.

KEY FEATURES

All Clifford G5 alarms include the "Coded Valet²" feature that means should your remote control be lost or stolen your alarm system can still be disarmed using your own unique PIN number via the coded valet switch.

The Blackjax Anti-Theft feature provides a safe and effective means of recovering your vehicle after a carjacking or if your keys (with your alarm transmitter) are stolen.

Dual-Zone Proximity Sensors protect your vehicle both externally and internally. Ideal for convertables.

Networkable accessories allows you to customise your G5 alarm system with various optional upgrades and program them all to your specific needs.

Using the highly advanced CliffNet™ system, you can customise the features of your alarm system and remote to suit your needs via a PC or laptop - no more chirps!!!

CLIFFORD FEATURE COMPARISON

	OEM			
				
	330X1/X2/X3	Arrow5.1	Concept470	Concept 650MKII
System	Thatcham	•		•
	ACG2 Anti-Code Grabbing		•	•
	Immobiliser	Relay	•	Dual
	BlackJax	Option	Option	•
	Remote Start	Option****	Option	Option
	PlainView® Valet Switch		•	•
	CliffNet Data Port		•	•
	Total Closure	Option	Option	•
	# Aux Channels	1	1	2
	Built-In Indicator Light Flasher	•	•	•
	Turbo Timer		Option Parts Req'd	Option Parts Req'd
	LED Status Indicator	•	•	•
	Remote Panic		•	•
	Auto Learning		•	•
	Multiple Car Control		•	•
	Smart Power-Up 2	•	•	•
Sensors	Dual Zone Proximity Sensor	Option	Option	Option*
	Tilt/Motion Sensor	Option	Option	Option**
	Glass Tamper Sensor	Option	Option	Option**
	Ultrasonics	•	Option	Option
	Dual Stage Vibration/Impact	•	•	•
	Remote Sensor Bypass	•	•	•
Siren	Battery Back-Up Siren	•	Option	Option
	Siren	ESP 2	Insignia	Medallion
	Quiet/Load Chirp	•	•	•
Remote	Remote Style	OEM	2x 3-Button	2x 5-Button
	Low Remote Battery Warning		•	•

* 919730P - Basic Kit + Proximity Sensor

** 919730G - Basic Kit + Glass & Tilt Sensors

**** Compatible with 4003L, please check vehicle compatibility

G5 has arrived, the first major vehicle security advancement of the 21st century. Over the past quarter century, Clifford engineers have created five distinct generations of definitive vehicle security technologies. G5 systems are the most advanced, reliable and uncompromising Clifford products ever.



Concept™ 470
Security System

- 16-Channel security system with optional keyless entry
- ACG2 Anti-Code Grabbing Technology
- Built-in Indicator Light Flasher
- Selectable Dual-Point Smart Secure Immobilisation
- G5 Glass Break Sensor
- Dual Stage vibration/impact Sensor
- Medallion 2 Programmable Tone Speaker Siren
- Bright Blue LED Status Indicator
- PlainView² coded valet/override switch
- CliffNet DataPort
- 2 Aux Channels
- Includes Two 5-button remote controls
- Turbo timer

919600



Concept 650™ MKII

Thatcham evaluated CAT1 Security System with remote adjustable Dual Zone Prox Sensor



- 16-Channel security system
- BlackJax anti-carjacking
- ACG2 Anti-Code Grabbing Technology
- Built-in Indicator Light Flasher
- Dual-point Smart Secure Immobilisation
- Total Closure
- Turbo Timer
- Battery Back-up Siren
- Bright Blue LED status indicator
- PlainView² coded valet/override switch
- CliffNet DataPort
- 3 Aux Channels
- Includes Two 5-button remote controls
- Upgraded & Flexible programming with Grid Jump
- Low Transmitter battery warning

919730P – Basic Kit + Proximity Sensor

919730U – Basic Kit + Ultrasonics



ARROW™ 5.1 Security System

- 6-Channel security system with optional keyless entry
- ACG2 Anti-Code Grabbing Technology
- Built-in Indicator Light Flasher
- Fault-proof starter interrupt
- Dual Stage vibration/impact sensor
- 6-Tone Insignia2 Siren
- Bright Blue LED Status Indicator
- PlainView2 coded valet/override switch
- CliffNet DataPort
- 1 Aux Channel
- Includes Two 3-button remote controls
- Turbo timer

919595

OEM CAN ALARMS

CAN-bus enabled Alarm systems are a great way to upgrade OEM factory security and keyless entry systems and can be further enhanced with the addition of aftermarket options such as tilt motion sensors, glass tamper sensors and dual zone proximity sensors.

All Clifford CAN-bus Alarm systems come with an additional channel output to allow the introduction of optional extras such as automatic headlight activation and remote start*, they also allow firmware upgrades enabling features such as Comfort Closure to be added. Firmware upgrades for Clifford, are all available free of charge online by visiting www.xpressvip.com and downloading Xpressvip V3.1 - this will allow you to choose and download the latest vehicle specific software directly to the alarm system.

* Vehicle Specific



OEM CAN Alarms Factory Security Upgrade



Clifford CAN Alarms are available in three models to cover the hardware platforms for the CAN-bus systems currently used by OEM manufacturers - fault tolerant, single wire and high speed.

- 330X1 - Fault Tolerant - i.e Audi, Volkswagen*
- 330X2 - Single Wire - i.e Honda, Jeep*
- 330X3 - High Speed - i.e Ford*

*See compatibility chart on page 484-487 for full list

- Thatcham evaluated
- Bitwriter compatible (Version 2.5 and above)
- Upgradable via PC/Internet using XpressVIP Software
- Battery Backup Siren
- Bright Blue LED Status Indicator
- Override/Programming switch
- 1 Aux Channel
- Horn Honk & Siren output
- Ultrasonics
- On-board Dual Stage Shock sensor
- MUX Port (For optional sensors)
- Easy installation - Maximum 6 wire connection



BlackJax5

Anti-Carjacking, Key Theft and Vehicle Self Recovery System

BlackJax is Clifford's unique anti-carjacking response system that puts personal safety first while using innovative advancements to ensure that users can recover the vehicle themselves. If an armed car thief approaches immediately turn over the keys and remote and let Clifford technology take over.

Fully automatic: No buttons or transmitters to push when a gun is involved. Just get away from the vehicle. Quick response: BlackJax allows the criminal to drive away a safe distance. Then, a few seconds later, BlackJax blares the siren and flashes the lights to alert other drivers and witnesses. It then cuts power to the ignition system to safely force the vehicle to slow to a complete stop. Siren blaring and lights

- 6-Tone Siren
- Bright Red LED Status Indicator
- PlainView2 coded valet/override switch
- CliffNet DataPort
- Dual point immobilisation with Auto Immobilisation feature
- Speed Pulse or Tach input
- Stand alone or can be integrated into other security systems for added protection

flashing, unable to restart the engine, the carjacker has no choice but to abandon the vehicle.

Immediate vehicle self-recovery: With the vehicle immobilised a short distance away, the owner can recover it. No special tracking units, monthly fees or per-use charges. Just follow the sound of the BlackJax siren, then enter the PIN code. That's it - it's sabotage-proof. The only way to turn off BlackJax is with a secret user-selectable PIN code. If the carjacker tries guessing codes at random, BlackJax actively ignores his code entries for the next few minutes.

909505



GSM/GPS Pager

Universal GSM Control and Monitoring System

The GSX560 unit is a universal GSM control and monitoring system. All commands and reporting are done via SMS text messages. The system is worldwide compatible working with all GSM 900/1800 MHz networks and optional 850/1900 MHz networks. Both "Pay As You Go" and contract SIM cards can be used. The system is extremely flexible and can be used as standalone system or integrated to operate

- 4 digit programmable pin number protection for all commands
- 5 controllable outputs; 4 negative, 1 positive. Digitally programmable, pulsed, locked, unlocked options/
- 6 reportable inputs; 3 negative digital, 1 positive multiplexed, 2 Analogue Digital programmable.
- Full control of all outputs & programming via SMS.
- Battery monitoring alerts user when battery voltage falls below 10.5V.
- Onboard status LED.
- Onboard Factory Reset Feature.
- Controlled outputs can be used to Lock/Unlock vehicle and Remote Start.
- User selectable reporting options
- 7 Slave phone numbers can be added
- "Panic Alert" option on Input 3
- 12/24Volt operation.
- Programmable Messages. 15 characters max length.
- Alarm Mode - Arm/Disarm Feature, Indicator Flash & Lock(Arm), Indicator Flash & Unlock(DisArm) with chirp and also Siren Output when Zone Triggered. Can be used as stand-alone or controlled by factory security system.

an OE or aftermarket alarm / keyless entry system. The GSX560 has the ability to activate accessories and/or other systems by sending a SMS message to the unit. Includes a GPS antenna which allows the user to check the vehicle location (Long/Lat)

GSX560



SmartWindows 4

Remote Power Window Control Accessory

Open, close and vent the car's electric windows using the G5 security system remote control. SmartWindows also adds extra features inside the vehicle: one tap fully open, one tap fully closed. Tap the switch during roll-up and roll-down to instantly

- Adds one touch option to electric windows
- Closes 2 windows
- Autoclose bypass (one time)
- Vent windows on arm (programmable)
- Remote control venting
- Multiple venting
- Open windows on disarm
- Cliffnet compatible for programming
- Daisy chain with other SW4 module
- Remote quick stop

stop the window. Vent opening is selectable via the CliffNet Wizard, and can be vented repeatedly after remote arming. The SmartWindows Safety Stop feature halts window movement if there is an obstruction.

903010

REMOTE STARTERS



IntelliStart 4
Remote Engine Starting Accessory

Suitable for manual and automatic transmission vehicles, IntelliStart allows you to start the car before you get in. In the summer you can use IntelliStart to cool the car down via its air conditioning and in the winter, use IntelliStart to warm both the engine and interior. Just the touch of a button starts the engine, but leaves the doors still locked and the alarm still on.

909005

- Safe remote engine start on both Manual & Automatic transmission Vehicles
- CliffNet DataPort & Wizard programmability
- Diesel or Petrol modes
- User-selectable low temp/low battery Autostart
- Short stop feature for brief errands
- 10 Minute retained accessory power
- Cool vehicle before you get in during summer
- Heat and defrost vehicle during winter
- Built in sensor bypass
- 5-50 minute on time
- Starter motor anti grind
- Factory alarm bypass
- Use in conjunction with XPressKit bypass modules

PROGRAMMING

CLIFFNET



CliffNet Wizard
G5 System & Accessory Controller

For the ultimate in G5 system and accessory control, use CliffNet Wizard version 2.2. CliffNet Wizard gives you real-time control of your G5 system and G4 / G5 accessories via your Windows-based PC.

One of the coolest things about Clifford's G5 technology is the ability to plug your Windows PC into the system/accessory chain and run the CliffNet Wizard. CliffNet Wizard allows you to customise and control your Clifford G5 system and accessories with point-and-click ease. It even adds features, such as selection from among 15 different Personalised Siren Sounds, that aren't available through the system's standard PlainView 2 code-protected programming.

905255 - Dealer Edition

905265 - Consumer Edition

C001 - CD Only



Underdash Dataport Extension Cable
C032



Dataport Extension Cable
905010



CliffNet Wizard Lead
21-539



Serial Port Adaptor for CliffNet Wizard Lead
C014

ESP - BITWRITER



Bitwriter Ribbon Cable
8998



Bitwriter Upgrade Kit (Vers.6)
998UV6



Bitwriter®
Programming Tool

The remarkable, Innovations Award-winning Bitwriter® is the preferred way to quickly and accurately program ESP security and convenience systems, including most Directed Electronics remote start and keyless entry systems.

998T



XPress Kit USB Computer Interface
XKLOADER2



XKLoader 1 adaptor for CANMAX400.
Required for use with all XKLoader 1 hardware.
XKLINT

TRANSMITTERS & CASES

SPARE TRANSMITTERS



G5

G5 3 Button 6 Channel Remote
*Not compatible with G4 or <2006 G5
7131X



G5

G5 5 Button 16 Channel Remote
*Not compatible with G4 or <2006 G5
7151X



G4

3 Button "Cello" 6 Channel Remote for
A3/A5/Matrix1
904060



G4

3 Button "Cello" 6 Channel Remote
904065



G4

5 Button "Radar-2" 16 Channel Remote
904075



G4

4 Button "OEM" 10 Channel Remote
904100

REPLACEMENT TRANSMITTER CASES



3 Button "Cello" Remote Case
Pack of 5: 904065C
Single: 904065CS



3 Button "Cello" Remote Case
Pack of 5: 904060C
Single: 904060CS



4 Button "OEM" Remote Case
Pack of 5: 904100C

SECURITY



VIPER

NO ONE DARES COME CLOSE®

Viper 2-Way Security and Remote Start systems are the most advanced in the world! The interactive display on the remote confirms all commands - virtually instantly - with easy to understand icons, plus text or by flashing LED lights on some models. It alerts users to security system triggers by beeping or vibrating when out of audible range of the siren. And with 8 different 2-way systems to choose from, Viper has all of your Security and Remote Start needs covered.



Vehicle Security



Remote Start



Convenience



Directed
SMARTSTART™

KEY TECHNOLOGY

Viper security and remote start systems feature the latest technologies developed by our engineers making Viper the industry leader.



Advanced 2-Way security and convenience confirms all commands virtually instantly.



Hybrid vehicle security & remote start systems protect your vehicle and its contents, start your engine with the push of a button and confirm all commands with GhostLight



ESP2 is Directed's exclusive serial communications protocol that allows extra ultra-security, high-speed communication between systems and enables many of Directed's key features.



XR+ Extreme Range superheterodyne receiver offers an improved image rejection for certain types of RF interference, resulting in improved reliability.

VIPER FEATURE COMPARISON

		Immobiliser	Security							
				OEM 						
System Feature		106V	211HV	330V	350 Plus	1002	3203	5002	480XV	
System	Thatcham	•							•	
	Immobiliser	3-Point			•	•	•	•	3-Point	
	Doors, Bonnet & Boot Protection				•	•	•	•	•	
	Indicator Light Flash		•	•	•	•	•	•	•	
	Remote Central Locking		•		•	•	•	•	•	
	Multi-Car Control						•	•	•	
	Comfort Closure		•		•	•	•	•	•	
	Ultra-Bright Blue LED		•	•	•	•	•	•	•	
	PIN Override	•			•	•	•	•	•	
	Valet Mode				•	•	•	•	•	
	Passive Arming	•		•	•	•	•	•	•	
	Bitwriter Programmable			•	•	•	•	•	•	
	Auto Arm	•		•	•	•	•	•	•	
	Clone Safe® Code Hopping®		•		•	•	•	•	•	
	Failsafe® Starter Kill			•	•	•	•	•	•	
	Dome Light Supervision		•	•	•	•	•	•	•	
	Horn Honk		•	•	•	•	•	•	•	
	On-Board Door Lock Relays		•			•	•	•	•	
	Retained Accessory Power						•			
	# of Auxiliary Outputs			2	1	5	5	5	5	5
	"Ground When Armed" Output			•	•	•	•	•	•	•
	Ignition Controlled Door Locks			•	•	•	•	•	•	•
Remote Start	SmartStart® Compatible						•			
	Anti-Grind									
	Turbo Timer									
	Defroster Output									
Sensors	Ultrasonics				Option	Option	Option	Option	•	
	Dual Multiplex Sensor Input				•	•	•	•	•	
	Sensor Bypass Function				•	•	•	•	•	
	Stinger® DoubleGuard® Shock			•	•	•	•	•	Option	
Remote & Siren	Remote Style	Touch-Key	2x 4-Button		2 x 4 Button	2 x 4 Button	1x 5-Button + 1x LE Supercode	1x Responder + 1x 4-Button	1x Responder + 1x 4-Button	
	Remote Display						LED	LCD	19 Icon	
	1-Way	•	•		•	•	•			
	2-Way				Option	Option	•	•	•	
	SuperCode Technology						•			
	Siren Type				Revenger®	Revenger®	Revenger®	Revenger®	ESP2 Battery Backup	

Remote Start			Hybrid	
				
5101	Responder One	5301	5601	5701
•		•	•	•
•		•	•	•
•	•	•	•	•
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•		•	•	•
3		3	5	5
•		•	•	•
•		•	•	•
•		•	•	•
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•
Option		Option	Option	Option
•		•	•	•
•		•	•	•
•		•	•	•
2x 5-Button Supercode	2x Responder 1	2x 5-Button LE Supercode	2x 5-Button Supercode	2x 5-Button LE Supercode
	LED			
•			•	•
	•	•		
•	•	•	•	•
Revenger®		Revenger®	Revenger®	Revenger®

SECURITY & REMOTE START SYSTEMS



Viper® 480XV

Thatcham Approved 2-Way Security System



- 5-Channel Security System
- 3-Point Immobilisation
- Includes One 2-Way Transmitter + One 4-button 1-Way Transmitter NEW STYLE
- Remotely Adjustable Ultrasonic Sensors
- ESP2 Battery Back-Up Siren
- Dual Multiplex input for additional Dual Zone sensors with warn away
- Doors, Bonnet and Boot Protection
- Indicator Light Flash
- Remote Central Locking
- 19 Icon Display Remote
- Multi Car Control
- Comfort Closure
- Sensor Bypass Facility
- Ultra-bright Blue LED
- PIN Override and Valet Mode
- Passive Arming
- Bitwriter Programmable

480V



Viper® 106V

3 Circuit Thatcham Approved Cat 2 Immobiliser



This is a 'touch key' design. The LED is neatly mounted into the Touch Key Receptacle. The unit auto-arms 30 seconds following the ignition being turned off. It also has the facility for an emergency PIN Override, should the touch-key be lost or damaged.

- 3-Point Immobilisation
- Includes 2 Override 'Touch Keys'
- PIN Override and Valet Mode
- Ultra bright Red LED
- Passive Arming

106V



Viper® 3203

Security System

- Includes One 5-Button 2-Way Remote and One 5-Button 1-Way Remote
- 24 channel remote start, security and keyless entry system
- SuperCode Technology - up to 2000 foot range
- Confirms commands and notifies of system triggers with Ghostlights™ LEDs
- D2D port for plug-in Xpresskit vehicle interface
- Control Center with integrated valet switch and bright blue Status LED
- Extreme Capacity Relays on board
- Flex Relays for remote start/ light flash
- Revenger® Six-Tone Soft-Chirp Siren
- Stinger® DoubleGuard® Shock Sensor on-board
- Tone and vibrate alert modes
- Defroster Output
- Temp Check
- 4 Auxiliary Channels
- Comfort Closure
- Indicator Light Flash
- Anti-Grind
- Horn Honk
- SuperCode Technology
- SmartStart & TimerStart
- XPRESSPORT™

3203V



Viper® 1002

Security System

- 6-Channel 2-Way security/keyless entry system
- Clone-Safe® Code-Hopping®
- On-board Door Lock Relays
- Indicator Light Flash
- Failsafe® Starter Kill - On-board Relay
- Remote Adjustable Stinger® DoubleGuard® Shock Sensor
- Revenger® Six-Tone Siren
- Bright Blue LED Status Indicator
- Dome Light Supervision
- Retained Accessory Power
- Comfort Closure
- 5 Auxiliary Outputs
- Horn Honk
- Includes Two 4-button Transmitters

3102V



Viper® 5002

2-Way Security System with Responder Technology

- 6-Channel 2-Way security/keyless entry system
- Confirms commands and system triggers on the LCD screen
- Clone-Safe® Code-Hopping®
- On-board Door Lock Relays
- Indicator Light Flash
- Failsafe® Starter Kill - On-board Relay
- Remote Adjustable Stinger® DoubleGuard® Shock Sensor
- Revenger® Six-Tone Siren
- Bright Blue LED Status Indicator
- Dome Light Supervision - On-board Relay
- Comfort Closure
- 5 Auxiliary Outputs
- Horn Honk
- Includes One 2-Way Responder Transceiver and One 4-button Transmitter

3302V



Viper® 350 Plus

4-Button 1-Way Security System

- 3-Channel security/keyless entry system
- Clone-Safe® Code-Hopping®
- Indicator Light Flash
- Failsafe® Starter Kill
- On-board Stinger® DoubleGuard® Shock Sensor
- Revenger® Six-Tone Siren
- Bright Blue LED Status Indicator
- Dome Light Supervision
- Comfort Closure
- 2 Auxiliary Outputs
- Includes Two 4-button Transmitters

3105V



Viper® 211HV

Keyless Entry System

- 3-Channel Keyless Entry System
- Clone-Safe® Code-Hopping®
- On-board Door Lock Relays
- Indicator Light Flash
- Bright Blue LED Status Indicator
- Dome Light Supervision
- Horn Honk Output
- Ground When Armed Output
- Includes Two 4-button Transmitters

412V



Viper 330V

OEM Security Upgrade

- Zone-2 Impact sensor
- Fault-proof starter interrupt
- Nuisance Prevention Circuit
- Warn-Away
- Bitwriter programmable for easy configuration
- 1 Aux function

427V



VIPER®

NO ONE DARES COME CLOSE™

Directed

SMARTSTART™

START YOUR CAR FROM
VIRTUALLY ANYWHERE WITH
YOUR SMARTPHONE.

SmartStart 1.5 for Apple iPhone™ and BlackBerry! It's the next generation of award-winning SmartStart technology, including 2-way command confirmations and push notification of alarm events.

SmartStart 1.5 covers the majority of all BlackBerry and iPhone smartphones. Features include:

- **Push Notification of Alarm Events:** It's like an alarm pager on your smartphone – with virtually unlimited range!
- **2-Way Command Confirmation:** Users receive confirmation when commands are received at the vehicle and will be notified if their command was not received.
- **Vehicle Picture Customization:** Now you can upload a photo or image file for each vehicle you control with SmartStart.
- **Vehicle Name Customization:** You can personalise each vehicle by assigning a unique name for it in the app.
- **Passcode Protection:** Users can lock the app by selecting a 4-digit PIN for a higher level of security.
- **SmartStart Account Utilities:** Allows users to change their SmartStart account password, or generate a new one if they forget the existing password.
- **And the greatest feature of all is – SmartStart is over-the-air upgradeable,** so SmartStart users can always have the latest version of the software on their smartphone, and in their vehicle!

Compatible with all premium remote start and security/remote start systems from Viper, Clifford and Python, including Responder HD, Responder LC3, Responder LE and 1-way SuperCode systems. Also compatible with new 3X03 2-Way security systems (coming soon).



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* Certain functions not available on all systems. Professional installation required. iPhone sold separately. Additional parts may be required. One year of service included, service plan required. SmartStart developed for the US market. International availability may vary from country to country.

WHAT IS VIPER SMART START?

Viper VSM100

Viper Smart Start Module VSM100

Are you tired of carrying around another clunky remote control on your keyring, or finding yourself out of range when you really need to warm up or cool down your car before driving? Now you can remote start or lock and unlock your car just by pushing a button on your iPhone/iPod Touch or BlackBerry; using the ViperSmartStart app from Directed Electronics, the leader in vehicle security and remote start.

- Control Multiple Cars
- Lock/Arm
- Unlock/Disarm
- Remote Car Start
- Control Boot Release
- Panic or Car Finder Feature



Compatible with the following Viper Security Systems:
3203V, 5101V, 5301V, 5601V, 5701V

REMOTE START



Viper® Responder One

Remote Start System

- Includes Two ultra-mini 1-Button 2-Way SuperCode Remotes
- Remote Start system
- Virtual Tach
- D2D port for Plug-in Xpresskit vehicle interface
- Indicator Light Flash
- Unlock while running
- Extreme Capacity Relays onboard
- Defroster Output
- Horn Honk
- SuperCode™ - up to 2000 foot range

4203V



Viper® 5301

Remote Start System

- Includes One 5-Button 2-Way Remote and One 5-Button 1-Way Remote
- 24 channel remote start, and keyless entry system
- SuperCode Technology - up to 2000 foot range
- D2D port for plug-in Xpresskit vehicle interface
- Virtual Tach-Patented DSP-based tachless solution
- Control Center with integrated valet switch and bright blue Status LED
- Extreme Capacity Relays onboard
- Flex Relays for remote start and light flash
- Confirms commands and notifies of system triggers with Ghostlights™ LEDs
- Tone and vibrate alert modes
- Defroster Output
- Temp Check
- 4 Auxiliary Channels
- Comfort Closure
- Indicator Light Flash
- Anti-Grind
- Horn Honk
- Smart Start & Timer Start
- XPRESSPORT™

4202V



Viper® 5101

Remote Start System

- Includes Two 5-Button 1-Way SuperCode Remotes
- 24 channel remote start, and keyless entry system
- SuperCode Technology- up to 2000 foot range
- D2D port for plug-in Xpresskit vehicle interface
- Virtual Tach-Patented DSP-based tachless solution
- Control Center with integrated valet switch and bright blue Status LED
- Extreme Capacity Relays on board
- Flex Relays for remote start and light flash
- Defroster Output
- 4 Auxiliary Channels
- Comfort Closure
- Indicator Light Flash
- Anti-Grind
- Horn Honk
- Smart Start & Timer Start
- XPRESSPORT™

4102V

HYBRID SYSTEMS



Viper® 5701V

2-Way Security System with Remote Start

- Includes Two 5-Button 2-Way LED Remotes
- 24 channel remote start, security and keyless entry system
- SuperCode Technology up to 2000 foot range
- D2D port for plug-in Xpresskit vehicle interface
- Virtual Tach-Patented DSP-based tachless solution
- Control Center with integrated valet switch and bright blue Status LED
- Extreme Capacity Relays onboard
- Flex Relays for remote start and light flash
- Failsafe® Starter Kill
- Revenger® Six-Tone Soft-Chirp Siren
- Stinger® DoubleGuard® Shock Sensor on-board
- Defroster Output*
- 4 Auxiliary Channels
- Comfort Closure*
- Parking Light Flash
- Anti-Grind*
- Horn Honk*
- Smart Start & Timer Start
- XPRESSPORT™

* Additional parts and labour may be required.

5202V



Viper® 5601V

1-Way Security System with Remote Start

- Includes Two 5-Button 1-Way SuperCode Remotes
- 24 channel remote start, security and keyless entry system
- SuperCode Technology up to 2000 foot range
- D2D port for plug-in Xpresskit vehicle interface
- Virtual Tach-Patented DSP-based tachless solution
- Control Center with integrated valet switch and bright blue Status LED
- Extreme Capacity Relays onboard
- Flex Relays for remote start and light flash
- Failsafe® Starter Kill
- Revenger® Six-Tone Soft-Chirp Siren
- Stinger® DoubleGuard® Shock Sensor on-board
- Defroster Output*
- 4 Auxiliary Channels
- Comfort Closure*
- Parking Light Flash
- Anti-Grind*
- Horn Honk*
- Smart Start & Timer Start
- XPRESSPORT™

* Additional parts and labour may be required.

5102V

SECURITY SYSTEM ADD-ONS



GSM/GPS Pager

Universal GSM Control and Monitoring System

The GSX560 unit is a universal GSM control and monitoring system. All commands and reporting are done via SMS text messages. The system is worldwide compatible working with all GSM 900/1800 MHz networks and optional 850/1900 MHz networks. Both "Pay As You Go" and contract SIM cards can be used. The system is extremely flexible and can be used as standalone system or integrated to operate an OE or aftermarket alarm / keyless entry system. The GSX560 has the ability to

- 4 digit programmable pin number protection for all commands
- 5 controllable outputs; 4 negative, 1 positive. Digitally programmable, pulsed, locked, unlocked options/
- 6 reportable inputs; 3 negative digital, 1 positive multiplexed, 2 Analogue Digital programmable.
- Full control of all outputs & programming via SMS.
- Battery monitoring alerts user when battery voltage falls below 10.5V.
- Onboard status LED.
- Onboard Factory Reset Feature.
- Controlled outputs can be used to Lock/Unlock vehicle and Remote Start.
- User selectable reporting options
- 7 Slave phone numbers can be added
- "Panic Alert" option on Input 3
- 12/24Volt operation.
- Programmable Messages, 15 characters max length.
- Alarm Mode - Arm/Disarm Feature, Indicator Flash & Lock(Arm), Indicator Flash & Unlock(DisArm) with chirp and also Siren Output when Zone Triggered. Can be used as stand-alone or controlled by factory security system.

activate accessories and/or other systems by sending a SMS message to the unit. Includes a GPS antenna which allows the user to check the vehicle location (Long/Lat)

GSX560

PROGRAMMING

ESP - BITWRITER



Bitwriter Ribbon Cable
8998



Bitwriter Upgrade Kit (Vers.6)
998UV6



Bitwriter®
Programming Tool



The remarkable, Innovations Award-winning Bitwriter® is the preferred way to quickly and accurately program Directed Electronics ESP security and convenience systems, including most Directed Electronics remote start and keyless entry systems.

998T

TRANSMITTERS & CASES

SPARE TRANSMITTERS



Viper® 2-Way LCD Remote
7341V



Viper® New Style 4 Button Remote
7141V



Viper® 1-Way SuperCode Remote
7153V



Viper® 2-Way SuperCode Remote
7251V



Viper® 3 Button Remote
473V



Viper® 4 Button Remote
474V



Viper® 2-Way LED Remote
488V



Leather Remote Cover for 480V
879T





Hornet and Avital are two of the world's best-selling mobile electronics brands. Hornet is synonymous with high quality vehicle security systems, and its slogan ("Put the Sting on Crime") is known to consumers around the world. The popular Avital® brand is one of Directed's most successful remote start lines, and returns to the UK after a five-year absence. Avital® security systems round out a product mix that offers more solutions than ever before!



Vehicle Security



Remote Start



Convenience

KEY TECHNOLOGY



ESP2 is an exclusive serial communications protocol that allows ultra security high speed communication between systems and enables many key features.



HF Systems offer range of up to 500 feet.



2-Way systems allow you to stay in 2-way communication with your vehicle.

HORNET/AVITAL FEATURE COMPARISON

		Security				Remote Start	Hybrid	
		OEM 						
System Feature		3901T/3902T 3903T	3100L/LU /LM/LMU	MAXX1	3300L	4003L	5103L	5303L
System	Thatcham			•				
	Immobiliser	•	•	2-Circuit	•	•	•	•
	Indicator Light Flash	•	•	•	•	Option	•	•
	Remote Start	Option	Option	Option	Option	•	•	•
	Remote Central Locking		•	•	•	Optional Parts Req'd	Relay	Relay
	Warn Away	•	•	•	•		•	•
	Comfort Closure			•				
	Bright LED Status Indicator	•	•	•	•		•	•
	Nuisance Prevention	•	•	•	•		•	•
	Valet Mode	•	•	•	•	•	®	•
	Bitwriter Programmable	•	•		•	•	•	•
	Panic	•	•	•	•		•	•
	Clone Safe® Code Hopping®		•	•	•		•	•
	Dome Light Supervision		•	•	•		•	•
	Horn Honk	•		•	•		•	•
	On-Board Door Lock Relays		Option*	•	•		•	•
	D2D X-Press Kit Ports		•			•	•	•
	# of Auxiliary Outputs	1	2	3	2		3	3
"Ground When Armed" Output		•	•	•		•	•	
Ignition Controlled Door Locks			•	•	•	Option	•	•
Remote Start	Virtual Tach					•	•	•
	Programmable Run Time					•	•	•
	Turbo Timer						•	•
	Anti-Grind					•	•	•
	Temp Check						•	•
	Defroster Output						•	•
Sensors	Ultrasonics	Option	Option**	•	Option		Option	Option
	Zone-2 Impact	•	•	Option	•		•	•
	Dual/Zone Proximity Sensor	Option	Option	Option	Option	Option	Option	Option
	Tilt/Motion Sensor	Option	Option	Option	Option	Option	Option	Option
	Glass Tamper Sensor	Option	Option	Option	Option	Option	Option	Option
	Dual Stage Vibration/Impact	Option	Option	Option	Option	Option	Option	Option
	Remote Sensor Bypass	Option	•	•	•			
	Stinger® DoubleGuard® Shock	•	•	Option	•		•	•
Remote & Siren	Remote Style	OEM	2x 3-Button	2x 4-Button	1x LCD Responder + 1 x 4-Button	Optional Parts Req'd	2 x 4-Button	1 x LCD Responder + 1 x 4-Button
	Remote Display				LCD			LCD
	1-Way	•	•	•	•	•	•	
	2-Way				•			•
	Siren Type	Revenger®	Revenger®	Battery Back- Up	Revenger®		Revenger®	Revenger®

* 3100LM-Basic Kit with 451M Door Lock Module

**3100LU/3100LMU Basic Kit with 509U Ultrasonics/Basic Kit with 509U Ultrasonics & 451M Door Lock Module

SECURITY SYSTEMS & REMOTE START

SECURITY



Avital 3300

2-Way LCD Security System

- All the advanced security features you expect:
 - »» Zone-2 Impact sensor
 - »» Fault-proof starter interrupt
 - »» Nuisance Prevention Circuit
 - »» Warn-Away
 - »» Revenger siren
- 2-Way LCD 5-button remote is backlit, has tone and vibe modes, Zone ID
- Command confirmations and event notifications via the LCD remote control
- One-way functions with the 4-button companion remote (included)
- Relays on board for door locks, starter kill, indicators, and interior light
- Bitwriter programmable for easy configuration

3300L – Basic Kit

3300LU – Basic Kit + Ultrasonics



HORNET MAXX 1

Thatcham Approved CAT 1 Upgrade Security System



- On-board Dual-Circuit Immobiliser
- On-board door lock relays
- Ultrasonic Sensors
- Battery Backup Siren with Data-link
- Interior Light Supervision
- Nuisance Prevention Circuit
- Bright Blue LED Status Indicator
- 3 Flux Channels
- Total Closure Feature
- Includes two, 4-button Transmitters
- Optional remote start add-on

750T



Avital 5103L

1-Way LCD Security System with Remote Start

- New! Virtual TachTM eliminates the need for a tach wire in most installations
- New! D2D serial data port Xpresskits
- New! Bitwriter programmable for easy configuration
- Superhet receiver (HX for great range)
- Two 4-button remotes
- All the security features you expect:
 - »» Zone-2 Impact sensor
 - »» Fault-proof starter interrupt
 - »» Nuisance Prevention
 - »» Warn-Away
 - »» Revenger siren
 - »» and more...

5103L



Avital 3100

1-Way 4-Button Security System

- Zone-2 Impact sensor
- Fault-proof starter interrupt
- Nuisance Prevention Circuit
- Warn-Away
- Revenger siren
- Bitwriter programmable for easy configuration
- Two 3-button remote controls
- Keyless entry and Aux functions

3100L – Basic Kit

3100LU – Basic Kit + Ultrasonics

3100LM – Basic Kit + 451M Door Lock Module

3100LMU – Basic Kit + Ultrasonics + 451M Door Lock Module

HYBRID SYSTEM



Avital 5303

2-Way LCD Security System with Remote Start

- New! Virtual TachTM eliminates the need for a tach wire in most installations
- New! D2D serial data port Xpresskits
- New! Bitwriter programmable for easy configuration
- 2-Way LCD 5-button remote is backlit, has tone and vibe modes, Zone ID
- Command confirmations and event notifications via the LCD remote control
- Temp Check and clock time via the LCD remote control
- One-way functions with the 4-button companion remote (included)
- All the security features you expect:
 - »» Zone-2 Impact sensor
 - »» Fault-proof starter interrupt
 - »» Nuisance Prevention
 - »» Warn-Away
 - »» Revenger siren
 - »» and more...

5303L

OEM CAN ALARMS

CAN-bus enabled Alarm systems are a great way to upgrade OEM factory security and keyless entry systems and can be further enhanced with the addition of aftermarket options such as tilt motion sensors, glass tamper sensors and dual zone proximity sensors.

All Hornet CAN-bus Alarm systems come with an additional channel output to allow the introduction of optional extras such as automatic headlight activation and remote start*, they also allow firmware upgrades enabling features such as Comfort Closure to be added. Firmware upgrades for Hornet are all available free of charge online by visiting www.xpressvip.com and downloading XpressVIP V3.1 – this will allow you to choose and download the latest vehicle specific software directly to the alarm system.

*Vehicle Specific



OEM CAN Alarms

Factory Security Upgrade

Our CAN Alarms are available in two series, Hornet 390T, and there are three models available in each series to cover the hardware platforms for the CAN-bus systems currently used by OEM manufacturers – fault tolerant, single wire and high speed.

3901T – Fault Tolerant - i.e Audi, Volkswagen*

3902T – Single Wire - i.e Honda, Jeep*

3903T – High Speed - i.e Ford*

*See compatibility chart on page 484-487 for full list

- Thatcham evaluated
- Bitwriter compatible (Version 2.5 and above)
- Upgradable via PC/Internet using XpressVIP Software
- Battery Backup Siren
- Bright Blue LED Status Indicator
- Override/Programming switch
- 1 Aux Channel
- Horn Honk & Siren output
- Ultrasonics
- On-board Dual Stage Shock sensor
- MUX Port (For optional sensors)
- Easy installation - Maximum 6 wire connection

SECURITY SYSTEM ADD-ONS



GSM/GPS Pager

Universal GSM Control and Monitoring System

The GSX560 unit is a universal GSM control and monitoring system. All commands and reporting are done via SMS text messages. The system is worldwide compatible working with all GSM 900/1800 MHz networks and optional 850/1900 MHz networks. Both "Pay As You Go" and contract SIM cards can be used. The system is extremely flexible and can be used as a standalone system or integrated to operate

GSX560

- 4 digit programmable pin number protection for all commands
- 5 controllable outputs; 4 negative, 1 positive. Digitally programmable, pulsed, locked, unlocked options/
- 6 reportable inputs; 3 negative digital, 1 positive multiplexed, 2 Analogue Digital programmable.
- Full control of all outputs & programming via SMS.
- Battery monitoring alerts user when battery voltage falls below 10.5V.
- Onboard status LED.
- Onboard Factory Reset Feature.
- Controlled outputs can be used to Lock/Unlock vehicle and Remote Start.
- User selectable reporting options
- 7 Slave phone numbers can be added
- "Panic Alert" option on Input 3
- 12/24Volt operation.
- Programmable Messages, 15 characters max length.
- Alarm Mode - Arm/Disarm Feature, Indicator Flash & Lock(Arm), Indicator Flash & Unlock(DisArm) with chirp and also Siren Output when Zone Triggered. Can be used as stand-alone or controlled by factory security system.

an OE or aftermarket alarm / keyless entry system. The GSX560 has the ability to activate accessories and/or other systems by sending a SMS message to the unit. Includes a GPS antenna which allows the user to check the vehicle location (Long/ Lat)

REMOTE STARTERS



4003L

Remote Start Module

- New! Virtual Tach™ eliminates the need for a tach wire in most installations
- New! D2D serial data port for Xpresskits
- New! Bitwriter programmable for easy configuration
- XCR relays onboard
- D2D serial port for XPressKits
- Timer mode
- Keyless entry

4003L – Automatic Vehicles Only

MTM1 – Manual Transmission Module

TRANSMITTERS & CASES

SPARE TRANSMITTERS



Hornet 2-Way LCD Remote
477T



Hornet 4 Button Remote
474T



Valet 3 Button Remote
473T



Hornet 1 Button Remote
471H



Avital 2-Way LED Remote
477L



Avital 4 Button Remote
474L



Avital 3 Button Remote
473L



2 Button Remote for Hornet
Maxx1/2/3
820021®



AVITAL®

SECURITY

ACCESSORIES

Directed Electronics and Armour Automotive are leaders in the design, manufacture and marketing of innovative vehicle interface solutions for the worldwide automotive market. Through the development of integrated hardware, software and services that support multiple automotive standards, these Security installation accessories provide platforms and solutions for seamless integration with vehicle operating and network systems. Vehicle integration solutions include: keyless entry, remote start, security, monitoring, tracking, navigation, diagnostics and safety.



XPRESSKIT™

Full 2-Way D2D Compatible



PERFORMANCE MATCHED BY DIRECTED ELECTRONICS

XPRESSKIT interfaces are optimized to integrate with security and remote start systems from Viper, Clifford, and Avital.

Nothing but high-quality, genuine original parts from Directed Electronics will provide the level of high-speed digital connectivity, reliability and satisfaction customers expect from Directed. Our products are designed **by installers for installers™** and our mission is to supply our dealers with fully integrated products providing the fastest installs in the business. With an attachment rate of remote start systems to interfaces approaching 100%, flawless communication between components is critical. XPRESSKIT interfaces are Performance Matched to Directed branded systems, with full two-way, high-speed digital connectivity between our systems and the vehicle, ensuring error-free data exchange. Always ask for an XPRESSKIT interface.

Performance Matched XPRESSKIT interfaces now offer a Limited Lifetime Warranty when used with Directed security and remote start systems.



XPRESSKIT™
Vehicle Integration



XK LOADER 2

XPRESSKIT Connect, Click & Flash



XKLOADER2 is the USB computer interface (Bootloader) that acts as a bridge between your pc & an upgradeable vehicle interface module. A program called VIP (Vehicle Interface Program) provides the user interface needed to update and/or change the vehicle firmware. VIP includes a critical update alert which informs you when a newer version of vehicle firmware is available. XKLOADER2 is faster, more powerful and more secure to keep pace with the latest technologies such as CANMAX400.

**#1
ALL-IN-ONE
SOLUTIONS!**

RXT
RANGE EXTENDER READY

Upgrades the range on certain OEM GM models equipped with remote start systems. *RFTD kit also required

RSR
REMOTE START READY

Match any of our selected RF Kits and RFTD interfaces and expand any RSR compatible modules into an XPRESS-START™ REMOTE START solution!



Directed
ELECTRONICS, INC.

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Get a lifetime warranty when you pair up any of our Xpresskit integration solution systems to one of our remote start and security brands.

technology

that SPEAKS YOUR CAR'S LANGUAGE



2-way data communication between the bypass module and the remote start system facilitates installation



When D2D is not available, Wire-to-Wire connection is possible making xpresskits compatible with any remote starters



Controls the doorlocks and alarm functions of the vehicle



OEM transponder override



OEM transponder override and doorlock interface



Ignition module key interface for advanced ignition systems (i.e. BMW, Land Rover)



Uses the latest CAN BUS protocol interfacing with the vehicle's networking system



Push-to-start ready for vehicles equipped with OEM proximity keys



Does not require factory key for transponder override



Interface module can be upgraded with the latest or other available firmware via PC



One coded OEM key needed for transponder bypass



Docking port available for Xpresskeys™ for RF type override using a single box (xkeys sold separately)

XPRESSKIT

web resources:



www.xpresskit.com

www.xpressvip.com

www.directechs.com

US Patent: 5,719,551, 6,011,460 B1, 6,243,004 B1, 6,249,216 B1, 6,275,147 B1 6,529,124 B2, 6,696,927 B2, 6,756,885 B1, 6,771,167 B1, 6,812,829 B1 Canadian Patent Nos. 2,320,248, 2,415,023, EU Patent No. 1,053,128



PUSH BACK YOUR LIMITS

FASTER, SMARTER, BETTER

THREE SKUS
DOES IT ALL!

**CANMAX
400**

DLPK

PKALL

I'M DOING AN INSTALL IN MY SHOP, AND I RAN INTO A PROBLEM. I SELL REMOTE STARTERS AND HAVE 29 BYPASS MODULES AS WELL AS DIFFERENT ACCESSORIES, WHICH GIVE ME A TON OF OPTIONS, JUST FOR A SIMPLE INSTALLATION. I HEARD THAT XPRESSKITS ARE REDEFINING THE MOBILE INTEGRATION INDUSTRY BY SIMPLIFYING THE SKU INVENTORY COUNT TO COVER 100% OF ALL VEHICLES WITH ONLY 3 SKUS! CHOOSING XPRESSKIT IS NOW SIMPLER THAN EVER!

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XPRESSKIT
www.xpresskit.com

US Patent: 5,719,551, 6,011,460 B1, 6,243,004 B1, 6,249,216 B1, 6,275,147 B1
6,529,124 B2, 6,696,927 B2, 6,756,885 B1, 6,771,167 B1, 6,812,829 B1 Canadian
Patent Nos. 2,320,248, 2,415,023, EU Patent No. 1,053,128





Product Fact Sheet - Solex & Range Extender Ready Series



XK01

DOORLOCK, ALARM
INTERFACE & GM RANGE
EXTENDER



XK-01 programmable door lock & alarm control interface is preloaded with upgradeable firmware (AMD) compatible with select GM*, Chrysler, Dodge & Jeep vehicles. Additional firmwares cover Ford, Mazda, Acura, Toyota & more!

*GM Passlock II & GM Passkey3 data override is also an included primary function of the preloaded AMDL firmware.

XK01 includes:

- (1) Control Module
- (1) Wiring harness
- (1) Installation guide
- (1) D2D cable

- Master carton quantity: 24
- UPC code: 093207055812

Supported Vehicle Make:



Upgrades the range of the factory remote start system on selected GM vehicles with the addition of an RF and RFDT (RF-to-data) Kit



RANGE EXTENDER FOR EXISTING GM REMOTE START SYSTEM

* RXT - Range Extender firmware:
GMDL5X - GMDL6X & GMDL7X

Features include:

- Range extender for existing remote start
 - Easy three wire hookup at OBD connector
 - Works just like factory RVS
- Two-way remote start function
- Two-way remote confirmation of all commands
- Door lock/unlock
- Power trunk/hatch release
- Power sliding door control

To perform this installation you need to purchase the following:

- 1x RF Kit
- 1x XL-202 RFDT (RF-to-data)
- 1x XK-01

Supported Vehicle Make for RXT application:



* See complete installation on www.xpresskit.com

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ELECTRONICS, INC.

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Get a lifetime warranty when you pair up any of our Xpresskit integration solution systems to one of our remote start and security brands.



web resources:

www.xpresskit.com
www.xpressvip.com
www.directtechs.com

US Patent: 5,719,551, 6,011,460 B1, 6,243,004 B1, 6,249,216 B1, 6,275,147 B1
6,529,124 B2, 6,696,927 B2, 6,756,885 B1, 6,771,167 B1, 6,812,829 B1 Canadian Patent
Nos. 2,320,248, 2,415,023, EU Patent No. 1,053,128



Product Fact Sheet - Solex series



PKCH1

TRANSPONDER
OVERRIDE FOR FIRST
GENERATION
CHRYSLER



Transponder bypass for most Chrysler vehicles built prior to 2004. The PKCH module supports RF immobilizer bypass without having to give up one of the original key.

PKCH1 includes:

- (1) Control Module
- (1) Wiring harness
- (1) Installation guide
- (1) D2D cable

→ Master carton quantity: 24
→ UPC code: 093207062506

Supported Vehicle Make:



PKUMUX

CHRYSLER GENII & GM
PK3+ RF
TRANSPONDER
OVERRIDE WITH MUX

NEW!



PKUMUX is an immobilizer interface for GM-LAN vehicles equipped with the GM PASS-Key 3+ style hybrid Passlock & Passkey 3+ anti theft systems AND ALL 2nd generation encrypted Chrysler Sentry key immobilizers. PKUMUX is two modules in one-providing massive coverage of both GM AND Chrysler vehicles. PKUMUX helps reduce the number of parts dealers need to stock because it provides identical vehicle coverage AND functionality as the PKUCG2X, PKUCH2X and PKUGM2X in one module! Better yet at the same price!

PKUMUX includes:

- (1) Control Module
- (1) Wiring harness
- (1) Installation guide
- (1) D2D cable

→ Master carton quantity: 24
→ UPC code: 093207074417

Supported Vehicle Make:



GMDLBP

GM DOORLOCK &
TRANSPONDER/PASS
LOCK OVERRIDE



The GMDLBP is a combo Doorlock and Passkey DATABUS Interface (J1850) module compatible with most General Motors vehicles from model years 1997 through 2008.

GMDLBP includes:

- (1) Control Module
- (1) Wiring harness
- (1) Installation guide
- (1) D2D cable

→ Master carton quantity: 24
→ UPC code: 093207062438

Supported Vehicle Make:



Directed
ELECTRONICS, INC.

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Get a lifetime warranty when you pair up any of our Xpresskit integration solution systems to one of our remote start and security brands.



web resources:

www.xpresskit.com
www.xpressvip.com
www.directechs.com

US Patent: 5,719,551, 6,011,460 B1, 6,243,004 B1, 6,249,216 B1, 6,275,147 B1
6,529,124 B2, 6,696,927 B2, 6,756,885 B1, 6,771,167 B1, 6,812,829 B1 Canadian Patent
Nos. 2,320,248, 2,415,023, EU Patent No. 1,053,128



Product Fact Sheet - Solex series



XK02

DOOR LOCK AND
ALARM INTERFACE



XK02 is a programmable multi-function door lock & alarm control interface preloaded with upgradeable firmware (NISDDL) for select Nissan & Infiniti vehicles. Available firmwares for Subaru & Honda.

XK02 includes:

- (1) Control Module
- (1) Wiring harness
- (1) Installation guide
- (1) D2D cable

→ Master carton quantity: 24
→ UPC code: 093207055829

Supported Vehicle Make:



XK05

PROGRAMMABLE
TRANSPONDER



XK05 Programmable Immobilizer Data Override interface is preloaded with upgradeable firmware for all years Toyota, Lexus, Ford & Mazda vehicles. *Programmable firmwares available for Honda/Acura, Hyundai, Kia, Nissan/Infiniti & GM.

XK05 includes:

- (1) Control Module
- (1) Wiring harness
- (1) Installation guide
- (1) D2D cable

→ Master carton quantity: 24
→ UPC code: 093207055850

Supported Vehicle Make:



XK06

GM TRANSPONDER
DATA OVERRIDE
INTERFACE



XK06 programmable Immobilizer Data Override Interface preloaded with upgradeable firmware (PKG7). Compatible with GM Hybrid Passlock Passkey immobilizer systems like that used on 2004-09 Chevrolet Malibu.

XK06 includes:

- (1) Control Module
- (1) Wiring harness
- (1) Installation guide
- (1) D2D cable

→ Master carton quantity: 24
→ UPC code: 093207055867

Supported Vehicle Make:



XK07

Nissan CAN BUS Data
Immobilizer Override



XK07 Programmable Immobilizer Override Interface is preloaded with upgradeable firmware (PKN3) for all late model Nissan & Infiniti vehicles including those with Push-to-Start Ignition systems. This interface uses the latest CAN communication protocol.

XK07 includes:

- (1) Control Module
- (1) Wiring harness
- (1) Installation guide
- (1) D2D cable

→ Master carton quantity: 24
→ UPC code: 093207055874

Supported Vehicle Make:



web resources:

www.xpresskit.com
www.xpressvip.com
www.directechs.com

US Patent: 5,719,551, 6,011,460 B1, 6,243,004 B1, 6,249,216 B1, 6,275,147 B1
6,529,124 B2, 6,696,927 B2, 6,756,885 B1, 6,771,167 B1, 6,812,829 B1 Canadian Patent
Nos. 2,320,248, 2,415,023, EU Patent No. 1,053,128



Product Fact Sheet - Solex series



PKH34

HONDA/ACURA
TRANSPONDER DATA
OVERRIDE



PKH34 is a fixed Honda and Acura Transponder Data Override Interface solution that works on all 2005-09 Honda and Acura vehicles, including select 2001-2004 models. 100% compatible with any remote start system.

PKH34 includes:

- (1) Control Module
- (1) Wiring harness
- (1) Installation guide
- (1) D2D cable

- Master carton quantity: 24
- UPC code: 093207055928

Supported Vehicle Make:



PKFM

FORD/MAZDA PATS
OVERRIDE INTERFACE



PKFM Data Immobilizer Override interface is preloaded with firmware (PKFORD) covering all types of Ford Passive Anti-Theft Systems (PATS) including Securilock.

PKFM includes:

- (1) Control Module
- (1) Wiring harness
- (1) Installation guide
- (1) D2D cable

- Master carton quantity: 24
- UPC code: 093207062568

Supported Vehicle Make:



PLJX

ALL TYPES GM
PASSLOCK OVERRIDE



PLJX is a "Self Configuring" unit designed to bypass all GM vehicles equipped with Passlock I, Passlock II, VATS, and the new style Passlock immobilizer found in the Saturn Ion & GM Colorado, Canyon, Cobalt, and Pursuit.

PLJX includes:

- (1) Control Module
- (1) Wiring harness
- (1) Installation guide

- Master carton quantity: 24
- UPC code: 093207055911

Supported Vehicle Make:



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web resources:

www.xpresskit.com
www.xpressvip.com
www.directechs.com

US Patent: 5,719,551, 6,011,460 B1, 6,243,004 B1, 6,249,216 B1, 6,275,147 B1
6,529,124 B2, 6,696,927 B2, 6,756,885 B1, 6,771,167 B1, 6,812,829 B1 Canadian Patent
Nos. 2,320,248, 2,415,023, EU Patent No. 1,053,128



Product Fact Sheet - Solex series- Programmable door lock & override solution (CAN+J1850)

XK09

Programmable door lock & override solution (CAN+J1850)



The XK09 module is a revolution in integration technology. It is a CAN high speed and J1850 module that also covers all single wire CAN vehicles. It is capable of stand alone remote start on almost all Chryslers, includes a relay pack connector for application expansion and can also be used as range extender on GM OEM remote start systems.

XK09 includes:

- (1) Control Module
- (1) Wiring harness
- (1) Installation guide
- (1) D2D cable

- Master carton quantity: 24
- UPC code: 093207074400

Supported Vehicle Make:



Match any of our selected RF Kits and RFTD interface and expand the XK09 system into an XPRESS-START™ REMOTE START solution or upgrade the range of your factory remote start system on GM vehicles!

A LA CARTE system expansion solution



REMOTE START INSTALLATION

Features include:

- Two-way remote start function
- Two-way remote confirmation of all commands
- Door lock/unlock
- Power trunk/hatch release
- Power sliding door control
- Parking light output
- Transponder override
- Electronic key interface
- Idle mode
- Run-Safe feature
- Hood and door monitoring
- RAP Off

* For complete RSR applications visit www.xpresskit.com

RANGE EXTENDER INSTALLATION

Features include:

- Range extender for existing remote start
 - Easy three wire hookup at OBD connector
 - Works just like factory RVS
- Two-way remote start function
- Two-way remote confirmation of all commands
- Door lock/unlock
- Power trunk/hatch release
- Power sliding door control

* RXT - Range Extender firmware: 9.DLPKGM

* For complete RXT applications visit www.xpresskit.com

Compatible accessories:

- Mitsubishi key - PN: RFLMIT3
- Kia key - PN: RFLKIA2
- Chrysler GEN1 key - PN: RFLCH
- Chrysler GEN2 key - PN: RFLCHGM
- Universal Encrypted Transponder - PN: RFLUB
- Chrysler Ignition node interface - PN: CHWFR
- XL-202 RFTD interface

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web resources:

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www.xpressvip.com
www.directechs.com

US Patent: 5,719,551, 6,011,460 B1, 6,243,004 B1, 6,249,216 B1, 6,275,147 B1, 6,529,124 B2, 6,696,927 B2, 6,756,885 B1, 6,771,167 B1, 6,812,829 B1 Canadian Patent Nos. 2,320,248, 2,415,023, EU Patent No. 1,053,128



Product Fact Sheet - Solex & Xpresskey series

1101T

UNIVERSAL PROXIMITY
BYPASS MODULE



1101T is a universal transponder bypass module designed to allow Remote Start operation in vehicles equipped with "Smart key" proximity passive entry systems with push to start. 1101T uses one factory key & includes a coin cell battery adapter to provide power to the key when remote start is activated. No soldering to key is required.

1101T includes:

- (1) Control Module
- (1) Wiring harness
- (1) Installation guide
- (1) D2D cable

- Master carton quantity: 24
- UPC code: 093207056604

Supported Vehicle Make:



TBXKEY

UNIVERSAL
TRANSPONDER
BYPASS WITH
XPRESSPORT & D2D
READY



TBXKEY™ features XPRESSPORT™ and D2D™ technology as well as advance features that allow installer to select the optimum RFID pick up sensitivity, with selectable windings to modify the method used to transmit to the factory transceiver. Compatible with all XKEYS™, the TBXKEY™ is a revolution in universal bypass technology.

TBXKEY package includes:

- (1) Control Module
- (1) Wiring harness kit
- (1) RF 3 pin loop
- (1) Installation guide
- (1) D2D cable

- Master carton quantity: 24
- UPC code: 093207062445

Supported Vehicle Make:



DOCKABLE INCRYPTED
TRANSPONDER KEYS
FOR CANMAX AND
TBXKEY SERIES



XKEYKIA2
RF immobilizer bypass for most KIA and Hyundai vehicles from 2004 to 2010.

(* Dealer scan tool required for programming)



XKEYUB
Universal XKEY pod with RF loop and 2part resin that can be used with any pre-programmed transponder pellet
*(Transponder NOT included)



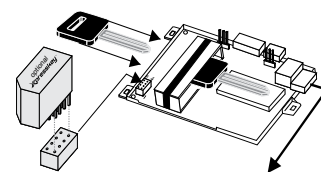
XKEYCH
Sentry key bypass for most Chrysler vehicles built prior to 2004



XKEYCHGM
Bypass for most Chrysler vehicles built after 2004 as well as GM vehicles equipped with the PK3+



XKEYMIT3
Bypass for most Mitsubishi models from 2004 to 2008
(Dealer scan tool required for programming)



D2D connector

* Can be used with CANMAX

556UW

UNIVERSAL
TRANSPONDER
BYPASS



The 556UW universal interface module is used when installing remote start products in vehicles equipped with a transponder or RF (Radio Frequency) based immobilizer system.

556UW includes:

- (1) Control Module
- (1) Wiring harness
- (1) Installation guide

Supported Vehicle Make:



web resources:

www.xpresskit.com
www.xpressvip.com
www.directechs.com

US Patent: 5,719,551, 6,011,460 B1, 6,243,004 B1, 6,249,216 B1, 6,275,147 B1
6,529,124 B2, 6,696,927 B2, 6,756,885 B1, 6,771,167 B1, 6,812,829 B1 Canadian Patent
Nos. 2,320,248, 2,415,023, EU Patent No. 1,053,128



Product Fact Sheet - Xpress parts series



PKDOCK

UNIVERSAL
TRANSPONDER
BYPASS

PKDOCK is a cost effective RF override solution designed to work with all RF loops.

PKDOCK includes:

- (1) Control Module
- (1) Installation guide

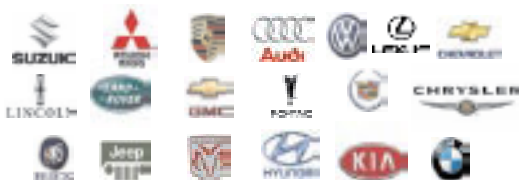
→ Master carton quantity: 24

→ UPC code: 093207074431

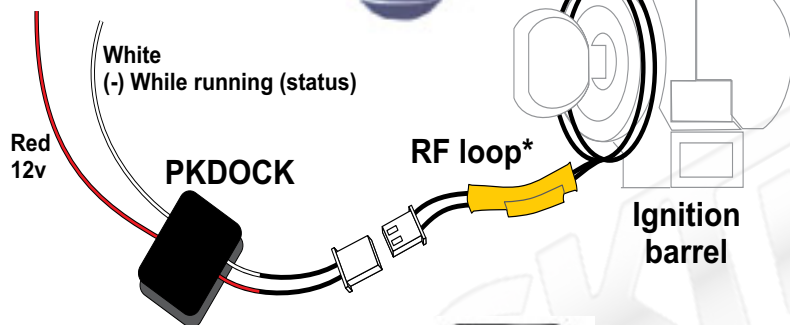
Simple installation!

Red: + 12 volts
White: (-) Ground when running

Supported Vehicle Make:



UNIVERSAL
SOLUTION



RFLKIA2
RF immobilizer bypass for most KIA and Hyundai vehicles from 2004 to 2010.



RFLUB
Universal XKEY pod with RF loop and 2part resin that can be used with any pre-programmed transponder pellet



RFLCH
Sentry key bypass for most Chrysler vehicles built prior to 2004



RFLCHGM
Bypass for most Chrysler vehicles built after to 2004 as well as GM vehicles equipped with the PK3+



RFLMIT3
Bypass for most Mitsubishi models from 2004 to 2008 (Dealer scan tool required for)

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www.xpressvip.com

www.directechs.com

US Patent: 5,719,551, 6,011,460 B1, 6,243,004 B1, 6,249,216 B1, 6,275,147 B1
6,529,124 B2, 6,696,927 B2, 6,756,885 B1, 6,771,167 B1, 6,812,829 B1 Canadian Patent
Nos. 2,320,248, 2,415,023, EU Patent No. 1,053,128

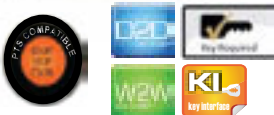


Product Fact Sheet - Optimax series



KIBMW

KEY INTERFACE KIT
FOR PUSH-TO-START
BMW 3 & 5 SERIES



Key interface kit for BMW 3 & 5 series.
No programming required, valet key
required.

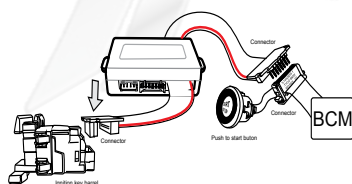
* Requires DLPK CAN module for door locks operation

KIBMW includes:

- ➔ (1) Control Module
- ➔ (1) Wiring harness
- ➔ (1) Installation guide
- ➔ (1) D2D cable

➔ Master carton quantity: 24

➔ UPC code: 093207062414



* See complete installation on www.xpresskit.com

Supported Vehicle Make:



KILRV

LAND ROVER &
VOLVO KEY BARREL
INTERFACE KIT



Remote car starter interface kit for Land
Rover LR2 and Volvo S80 vehicles. No
programming required, key-fob required.

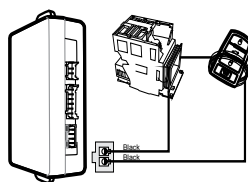
* Requires DLPK CAN module for door locks operation

KILRV includes:

- ➔ (1) Control Module
- ➔ (1) Wiring harness
- ➔ (1) Installation guide
- ➔ (1) D2D cable

➔ Master carton quantity: 24

➔ UPC code: 093207062407



* See complete installation on www.xpresskit.com

Supported Vehicle Make:



KIVW

VOLKSWAGEN, AUDI &
PORSCHE CAYENNE
KEY INTERFACE KIT



Key interface kit for Volkswagen, Audi &
Porsche Cayenne vehicles. Disarms
factory alarm. No programming
required. One key required.

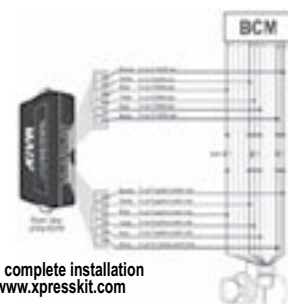
* Requires DLPK CAN module for door locks operation

KIVW includes:

- ➔ (1) Control Module
- ➔ (1) Wiring harness
- ➔ (1) Installation guide
- ➔ (1) D2D cable

➔ Master carton quantity: 24

➔ UPC code: 093207062421



* See complete installation
on www.xpresskit.com

Supported Vehicle Make:



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web resources:

www.xpresskit.com

www.xpressvip.com

www.directechs.com

US Patent: 5,719,551, 6,011,460 B1, 6,243,004 B1, 6,249,216 B1, 6,275,147 B1
6,529,124 B2, 6,696,927 B2, 6,756,885 B1, 6,771,167 B1, 6,812,829 B1 Canadian Patent
Nos. 2,320,248, 2,415,023, EU Patent No. 1,053,128



Product Fact Sheet - Optimax series



SELF LEARNING & PRE-CONFIGURED WITH ALL SOFTWARE OUT OF THE BOX!

PKALL

DATA TRANSPONDER
ALL INTERFACE



The PKALL is a data transponder bypass module that is compatible with more than 900 vehicle models from 1998 through 2010.

PKALL includes:

- (1) Control Module
- (1) Wiring harness
- (1) Installation guide
- (1) D2D cable

→ Master carton quantity: 24
→ UPC code: 093207062384

Supported Vehicle Make:



DLPK

CANBUS MULTI
DOOR LOCK &
TRANSPONDER
INTERFACE



The DLPK is a CAN BUS interface kit that is compatible with over 800 vehicle models from 2000 through 2010 right out of the box!

* RF loop compatible (see below).

DLPK includes:

- (1) Control Module
- (1) Wiring harness
- (1) Installation guide
- (1) D2D cable

Optional parts for extended coverage:

- Mitsubishi RF loop - PN: RFLMIT3
- Kia RF loop - PN: RFLKIA2
- Chrysler GEN1 RF loop - PN: RFLCHG1
- Chrysler GEN2 RF loop - PN: RFLCHG2
- Universal RF loop - PN: RFLUB

→ Master carton quantity: 24
→ UPC code: 093207062360

Supported Vehicle Make:



DLPKGM

GM ALL DOOR LOCK &
PASSKEY INTERFACE



DLPKGM is a pre-configured self learning Data Bus interface module compatible with most GM vehicles from 1998 through 2010.

DLPKGM includes:

- (1) Control Module
- (1) Wiring harness
- (1) Installation guide
- (1) D2D cable

→ Master carton quantity: 24
→ UPC code: 093207062377

Supported Vehicle Make:



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web resources:

www.xpresskit.com
www.xpressvip.com
www.directechs.com

US Patent: 5,719,551, 6,011,460 B1, 6,243,004 B1, 6,249,216 B1, 6,275,147 B1
6,529,124 B2, 6,696,927 B2, 6,756,885 B1, 6,771,167 B1, 6,812,829 B1 Canadian Patent
Nos. 2,320,248, 2,415,023, EU Patent No. 1,053,128



Product Fact Sheet - Optimax series



ALL-IN-ONE DOORLOCK, TRANSPONDER & KEY INTERFACE for all 2004 TO 2010 Chryslers



PRODUCT DESCRIPTION:

The CHALL is an ALL-IN-ONE ignition module with immobilizer bypass and CAN Bus interface that is compatible with ALL after-market remote car starters and functional with ALL Chrysler, Dodge and Jeep vehicle models from 2004-2010^[1].

[1] Dodge Sprinter currently not supported

[2] Non 2-way Data-Link compatible remote starters require additional analog connections to the CHALL

[3] Older Chrysler vehicles that do not utilize CAN Bus communication require analog connections. See vehicle compatibility guide for details



**World's First
PLUG & PLAY solution
for all Chryslers!**

HIGHLIGHTS:

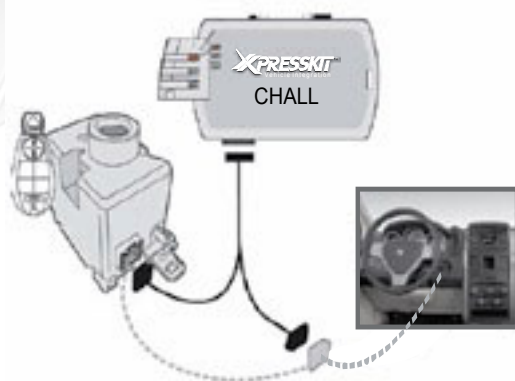
FEATURES:



BENEFITS

Only one key required to program the module and no key to operate. No transponder used in vehicle, more secure!

T-Harness for can type included in kit. Reduced installation time using T-Harness. No soldering or cutting to OEM harness.



XPRESSKIT™ Optimax™ series CHALL includes:

- (1) Control Module
- (1) Wiring harness
- (1) Installation guide
- (1) D2D cable
- (1) T-Harness for CAN type

* Optional T-Harness for MUX type vehicle available. PN: CHTH2

- Master carton quantity: 24
- UPC code: 0932070774806

Supported Vehicle Make:



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web resources:

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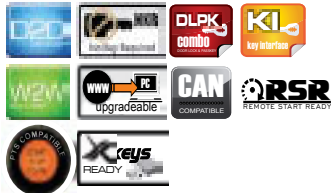
US Patent: 5,719,551, 6,011,460 B1, 6,243,004 B1, 6,249,216 B1, 6,275,147 B1
6,529,124 B2, 6,696,927 B2, 6,756,885 B1, 6,771,167 B1, 6,812,829 B1 Canadian Patent
Nos. 2,320,248, 2,415,023, EU Patent No. 1,053,128



Product Fact Sheet - Canmax & Remote Start Ready Series

CANMAX400

CANBUS MULTI DOORLOCK, TRANSPONDER INTERFACE & REMOTE START READY INTEGRATION SOLUTION



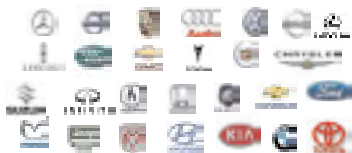
The new CANMAX400™ offers dealers The Power of ONE™: a standalone module that interfaces with virtually every vehicle and databus architecture on the planet!

CANMAX400 includes:

- (1) Control Module
- (1) Wiring harness
- (1) Installation guide
- (1) D2D cable

- Master carton quantity: 24
- UPC code: 093207062346

Supported Vehicle Make:



* See complete list of application on www.xpresskit.com



Match any of our selected RF Kits and RFTD interface and expand the CANMAX400 system into an XPRESS-START™ REMOTE START solution or upgrade the range of your factory remote start system on GM vehicles!



REMOTE START INSTALLATION

Features will include:

- Two-way remote start function
- Two-way remote confirmation of all commands
- Door lock/unlock
- Power trunk/hatch release
- Power sliding door control
- Parking light output
- Transponder override
- Electronic key interface
- Idle mode
- Run-Safe feature
- Hood and door monitoring
- RAP Off

* For complete RSR applications visit www.xpresskit.com

RANGE EXTENDER INSTALLATION

Features will include:

- Range extender for existing remote start
 - Easy three wire hookup at OBD connector
 - Works just like factory RVS
- Two-way remote start function
- Two-way remote confirmation of all commands
- Door lock/unlock
- Power trunk/hatch release
- Power sliding door control

* RXT - Range Extender firmware: 400.GM5 & 400.GM6

* For complete RXT applications visit www.xpresskit.com

Compatible accessories:

- Mitsubishi key - PN: XKEYMIT3
- Kia key - PN: XKEYKIA2
- Chrysler GEN1 key - PN: XKEYCH
- Chrysler GEN2 key - PN: XKEYCHGM
- Universal Encrypted Transponder - PN: XKEYUB
- Chrysler Ignition node interface - PN: CHWFR
- XL-202 RFTD interface
- Responder LE 2-way RF Kits - 9251V/P/X

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www.directechs.com

US Patent: 5,719,551, 6,011,460 B1, 6,243,004 B1, 6,249,216 B1, 6,275,147 B1, 6,529,124 B2, 6,696,927 B2, 6,756,885 B1, 6,771,167 B1, 6,812,829 B1 Canadian Patent Nos. 2,320,248, 2,415,023, EU Patent No. 1,053,128

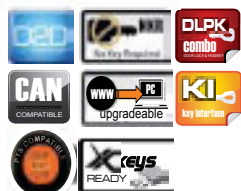


Product Fact Sheet - Canmax Series



CANMAX400DEI

CANBUS MULTI DOORLOCK,
TRANSPONDER INTERFACE



The new CANMAX400DEI™ offers dealers The Power of ONE™: a single dockable module that interfaces with virtually every vehicle and databus architecture on the planet!

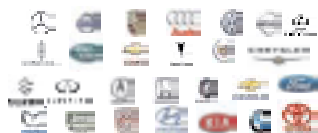
CANMAX400DEI includes:

- (1) Control Docking Module
- (1) Installation guide
- UPC code: 093207062339

Compatible accessories:

- Chrysler Ignition node interface: - PN: CHWFR
- Universal RF Loop: - PN: XKEYS

Supported Vehicle Make:



* See complete list of application on www.xpresskit.com



DOCKABLE ENCRYPTED TRANSPONDER KEYS FOR CANMAX AND TBXKEY SERIES



XKEYKIA2
RF immobilizer bypass for most KIA and Hyundai vehicles from 2004 to 2010.

(* Dealer scan tool required for programming)



XKEYUB
Universal XKEY pod with RF loop and 2part resin that can be used with any pre-programmed transponder pellet

*(Transponder NOT included)



XKEYCH
Sentry key bypass for most Chrysler vehicles built prior to 2004



XKEYCHGM
Bypass for most Chrysler vehicles built after to 2004 as well as GM vehicles equipped with the PK3+



XKEYMIT3
Bypass for most Mitsubishi models from 2004 to 2008
(Dealer scan tool required for programming)



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US Patent: 5,719,551, 6,011,460 B1, 6,243,004 B1, 6,249,216 B1, 6,275,147 B1
6,529,124 B2, 6,696,927 B2, 6,756,885 B1, 6,771,167 B1, 6,812,829 B1 Canadian Patent
Nos. 2,320,248, 2,415,023, EU Patent No. 1,053,128



Product Fact Sheet- Xpressparts™ Series



►► Secure Transponder

Introducing the world's first line of encrypted transponder keys that can be docked into our award winning CANMAX400, DLPKICHG2 or TBXKEY modules. XKEYS are safer than using a conventional key in the box and in most cases cost far less than losing an original key when installing a remote starter.

-  **XKEYCH**
Sentry Key bypass for most Chrysler vehicles built prior to 2004. (*Kit Includes RF ring)   
-  **XKEYMIT3**
Bypass for most Mitsubishi models from 2004 to 2008. (* Kit Includes RF ring - Dealer scan tool required for programming) 
-  **XKEYCHGM**
Bypass for most Chrysler vehicles built after to 2004 as well as GM vehicles equipped with the PK3+. (* Kit Includes RF ring)  
-  **XKEYKIA2**
RF immobilizer bypass for Kia Amanti from 2004 to 2007 (* Kit Includes RF ring - Dealer scan tool required for programming) 
-  **XKEYUB**
Universal XKEY pod with RF loop and 2 part resin that can be used with any pre-programmed transponder pellet. (Transponder NOT included)

►► RF Transponder Loops (For DLPK Only)

 RF loops from Xpresskit are an all new line of preloaded RF transponder rings that can be plugged into the DLPK module and allow it operate as a combo door lock and transponder bypass solution with one single module. It replaces the need to use a second module on certain vehicles to bypass the anti-theft system.

- RFLCH**
RF immobilizer bypass for most Chrysler vehicles built prior to 2004.   
- RFLMIT3**
RF immobilizer bypass for most Mitsubishi models from 2004 to 2008 (Dealer scan tool required for programming) 
- RFLKIA2**
RF immobilizer bypass for Kia Amanti from 2004 to 2007 (Dealer scan tool required for programming) 
- RFLUB**
Universal RF loop with inductor that can be used with any pre-programmed transponder pellet. (Transponder NOT included)
- RFLCHGM**
RF immobilizer bypass for most Chrysler vehicles built after to 2004 as well as GM vehicles equipped with the PK3+  

►► Cables

-  **ASD2D5P**
D2D cable for all Autostart and Automate products (Comes in 5 pack)
-  **XKD2D65**
Standard 4 pin D2D cable compatible with all D2D ready Viper, Clifford, Python, products. (Comes in 5 pack)
-  **XKYD2D5P**
Y Cable used to connect 2 separate interface modules into one D2D port. Compatible with Viper, Clifford, and Python. (Comes in 5 pack)
-  **ASYD2D5P**
Y Cable used to connect two separate modules into one D2D port. Compatible with Autostart and Automate. (Comes in 5 pack)

►► Programming

-  **DTIMAZDA**
Door trigger interface for "Open state" door trigger circuits found on late model Mazda's and Ford's
-  **XKLoader2**
New improved XKLoader that works with all new and old Xpresskit products including the CANMAX400. (Faster downloads)
-  **XL-202**
Programmable RF to DATA interface module used to interface a receiver and remote with certain interface kits so they can operate as range extenders or 2way security upgrades
-  **689M**
Universal manual transmission interface. Can be used with any automatic transmission remote starter. Features security "fail-saves" and secure setup mode.
-  **XKLINT**
XKLoader 1 adaptor for CANMAX400 or CANMAX400DEI. Required for use with all XKLoader 1 hardware.
-  **CHWFR**
Wafer for Chrysler smart key interface, works with XK06, DLPKICH3 or CANMAX (No wires to solder)
-  **CHTH2**
T-harness that can be used with the CHALL on Chrysler vehicles with multiplex ignition.



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US Patents: 5,718,582; 6,011,440; 6,243,004; 6,348,216; 6,376,147; 6,570,324; 6,896,827; 6,956,885; 6,771,167; 6,812,829; 6,812,829; Canadian Patent Nos. 2,320,248; 2,425,523; EU Patent No. 1,058,128

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INTERFACE MODULES & UPGRADES



Manual Transmission Module

Can be used with any Remote start or Hybrid Directed product to allow safe remote start operation on manual transmission vehicles. Safe Start and Short Stop Mode. Built-in Clutch Relay for vehicles that require the clutch to be pressed to start the engine.

MTM1



CAN BUS Interface Module

- Greatly reduces Security System Installation time and labour
- Simple 2-wire connection to the CAN Bus.
- Connects to the system main harness and ESP port.
- Compatible with VAG platform - (new VW Passat/Golf/Jetta/Tourag/Touran, Audi A3/A4/A6/Q7, Seat Altea/Leon/Toledo, Skoda Octavia, Porsche Cayene).

CAN1



Active Latching Switch

The 611T is an extremely versatile solid-state switch that can be used for many installation needs. Can be programmed normally open/normally closed, switched on with positive or negative input pulse, programmed to act as a latch or a timer. In latched mode, will toggle on/off each time an input is sensed. In timer mode, can be programmed from 1-100 seconds. For precision operations, can be used to obtain very accurate output times in the 0-1 second window.

611T



Pulse Timer with SPDT Relay

An adjustable (1 to 90 seconds) timer-controlled 30A relay. Activates with a (+) or (-) trigger input. For temporary circuit connect/disconnect applications.

528T



GSM/GPS Pager

Universal GSM Control and Monitoring System

The GSX560 unit is a universal GSM control and monitoring system. All commands and reporting are done via SMS text messages. The system is worldwide compatible working with all GSM 900/1800 MHz networks and optional 850/1900 MHz networks. Both "Pay As You Go" and contract SIM cards can be used. The system is extremely flexible and can be used as standalone system or integrated to operate

GSX560

- 4 digit programmable pin number protection for all commands
- 5 controllable outputs; 4 negative, 1 positive. Digitally programmable, pulsed, locked, unlocked options/
- 6 reportable inputs; 3 negative digital, 1 positive multiplexed, 2 Analogue Digital programmable.
- Full control of all outputs & programming via SMS.
- Battery monitoring alerts user when battery voltage falls below 10.5V.
- Onboard status LED.
- Onboard Factory Reset Feature.
- Controlled outputs can be used to Lock/Unlock vehicle and Remote Start.
- User selectable reporting options
- 7 Slave phone numbers can be added
- "Panic Alert" option on Input 3
- 12/24Volt operation.
- Programmable Messages. 15 characters max length.
- Alarm Mode - Arm/Disarm Feature, Indicator Flash & Lock(Arm), Indicator Flash & Unlock(DisArm) with chirp and also Siren Output when Zone Triggered. Can be used as stand-alone or controlled by factory security system.

an OE or aftermarket alarm / keyless entry system. The GSX560 has the ability to activate accessories and/or other systems by sending a SMS message to the unit. Includes a GPS antenna which allows the user to check the vehicle location (Long/Lat)

LOCKS, DOORS & WINDOWS

DOORS & LOCKS



Door Lock Pulse Generator

Converts a latched trigger input to momentary pulsed negative and positive outputs for door lock interface. Can be used to add door lock interface with systems without door lock outputs. Includes dual polarity outputs for cars that require double pulse to unlock, and can provide ignition-controlled door locks.

452T



Boot Release Solenoid

Interfaces with existing latch or release cable to provide power boot/hatch release by switch or remote control. Comes with mounting bracket, hardware and momentary switch.

522T



Cable Door Lock Bracket Kit (2 pack)

524CL



Door Lock Relay Assembly

Pre-wired door lock relay assembly. This great time-saver also comes with resistors for some new-model vehicles. Requires alarm-supplied momentary negative pulses. Plugs into most Directed Electronics systems. (Two 40-amp relays built-in.)

451M



5 Wire Central Door Lock Motor

S-39



2 Wire Central Door Lock Motor Kit

PC5-48



5 Wire Central Door Lock Motor Kit

PC5-49



2 Wire Central Door Lock Motor

S-38



2 Wire Actuator with Clamp & Rod

S-55



5 Wire Actuator with Clamp & Rod

S-56



Slotted Mounting Strip

S-52



Connecting Rod

S-40



Connecting Screw Clamp

S-42

WINDOWS

G5



SmartWindows™ Window Control

Module G4/G5 Wizard compatible window control module that teaches itself to roll up windows and can make the vehicle window switches one touch.

903010

UNIVERSAL



Window Automation System

The 530T window automation system controls the operation of two windows in both directions. The 530T can automatically roll up two power windows when a security system is armed, and will provide "one touch" up and down operation for both factory power window switches. The new programmability now accepts (-) switch inputs to make interfacing with European style, rest at ignition window systems simple; and the adjustable sensitivity makes the 530T compatible with most factory power windows systems. Windows can also be vented or rolled down completely by remote control, using an auxiliary validity channel of a security system.

530T



Power Window Roll-up Module

Allows operation of two windows in one direction or one motor in two directions. Interfaces with most modular alarms. Great for sunroofs or rear windows.

529T

SENSORS & SIRENS

SENSORS



Alternator RPM Detector / Tach Signal Generator

The 454T Alternator RPM Monitor is for use with remote engine starters or security systems that requires an RPM input and is designed as an alternative to direct connection to vehicle tachometer or fuel injector wires. It detects electrical spikes in the vehicles electrical system and converts them into an output that simulates a tachometer.

454T



Closed Loop Sensor

Perfect for monitoring auxiliary lights, car covers, trailers or anything that you might want to trigger the alarm when you disconnect it. Extremely low current consumption, and compact transistorised design provides both positive and negative output triggers when input trigger is disconnected. Perfect for 4 x 4 spare wheel covers.

502T



Shock Sensor

Adjustable dual zone shock sensor.

504C



Stinger® DOUBLEGUARD® Shock Sensor

The most effective protection against shock/impact. Uses patented electromagnetic technology to eliminate mechanical parts. Two outputs are provided. The first offers a Warn Away® response on light impact and the second instantly triggers the alarm on hard impact. Draws less than 1mA. Includes the plug-in harness for all alarms with the standard 4 pin sensor input plug. Plug may be cut off harness for non-plug-in applications.

504D



Ultrasonic Sensor

The 509U Ultrasonic Sensor is used to provide coverage of a vehicle's interior cabin area. The sensors detect movement inside the vehicle by sensing air disturbance. They should trigger the alarm if a thief has gained access to the interior of your vehicle. A great sensor for large and small vehicles, especially hatchbacks, pickup trucks with shells, and SUVs!

509U

509507 – Optional 'Y' Harness



Glass Tamper (Audio) Sensor

Provides pre-entry protection by detecting tampering and breaking of vehicle's glass. Reliable CMOS design with remote microphone analyses frequency, intensity and timing of intrusion sounds to eliminate false alarms.

506T

506507 – Optional 'Y' Harness



Digital Tilt/Motion Sensor

With full trigger programmable by dip switches, registers between 1 and 3 degrees of tilt and 4 degrees of motion: off, low, medium and high. 3-wire install (ground/arm/trigger) interfaces and diode isolates with other sensors.

507M

506507 – Optional 'Y' Harness



Proximity Single/Dual Sensor

The most effective vehicle intrusion sensor. This dual zone radar sensor detects moving high-density objects using RF field-disturbance technology. Ideal for convertibles or any application with zone-intrusion protection is desired.

508D



Remote Adjustable Shock Sensor (C470 Only)

Dual Zone remote adjustable shock sensor detects impacts to the vehicle. For Clifford Concept 470 systems only
905096



Proximity Sensor for G5

This dual-zone proximity sensor is adjustable remotely. Fits all G5 alarms.
905311

SIRENS



VIPER ESP Smart Self Powered Siren

The 515ESP is a back-up battery Revenger 6-tone siren that communicates with the security system via ESP2 digital data. ESP2 data provides trigger and system status information to the alarm to control operation and charging. No key is required to put the siren into valet mode as the siren will only sound when the alarm is armed.

515ESP



Neo Siren

Smaller size with a bigger punch, this bad boy produces between 2 and 5 dB more output than conventional sirens.

514N



6 Tone Soft Chirp Mini 130dB Siren Kit

Super loud 6-tone siren w/heavy duty bracket. For any alarm with 12V output. Included in the Clifford Matrix systems
514C



Mini Piezo Siren

Special-application siren often used as a pain generator inside the vehicle.

513T



Programmable Voice System

The 516L has pre-programmed messages in both English and Japanese, both generic and Viper-specific, plus a microphone which can be used either to record 9 different 5-second custom messages, or as a P.A. (Public Address) system.

516L



Thatcham Smart Self Powered Siren

G5 Clifford battery back-up siren, that uses Serial port data. Offers both (+) and (-) trigger inputs.

515U



Revenger® Siren with Rechargeable Backup Battery

This Soft Chirp® Revenger® siren has a rechargeable 9V battery for backup, with key. Offers both (+) and (-) trigger inputs.

515R



Hornet MAXX Smart Self Powered Siren

Battery back-up siren.

515M

LED'S & VALET SWITCHES

LED'S



Blue LEDs

Five pack of our new blue or clear LEDs. Used with all new Directed Electronics systems with the larger LED plug.

8634



Clifford Bezel Blue L.E.D.

G4/G5 style Clifford Blue LED w/ rectangular flush mount bezel.

909235 - Pack of 5
909235S -Single



Clifford Blue L.E.D.

Clifford mini Blue status LED and flush mount bezel.

SF30-LD-1000T



Autoleads Red L.E.D.'s

High Bright Red Flashing LED

PC5-42 - Blister of 1
S-35 - Blister of 1
XS-35 - Bulk

LED'S CON'T



Electro-Luminescent Directed Electronics Armed Indicators

Electro-Luminescent technology for everyday uses. Extremely low current draw, and high visibility; bright blinking panel for security systems

620C – Clifford

620H – Hornet

620L – Avital

620V – Viper



Scanning LED Module

Has back-and-forth, pointer and random modes. 5 LEDs mounted in an attractive case

629L

VALET SWITCHES



Clifford Valet Switch

Plain View 2 coded valet switch for Clifford G4/G5 alarms.

905020

AERIALS & RECEIVERS



6-Channel Programmable RF Remote Control HF Receiver

The 450R's multi-channel receiver expands the capabilities of an existing High Frequency 1-Way security system by creating extra output channels or can be used anywhere as a stand alone unit. Each of the six outputs can be individually programmed for pulse/validity, latched, a latch resets with ignition or a 30/60/90 second timed output. The 450R is compatible with any Directed Electronics High Frequency 1-Way 4 button transmitter (434 MHz, 266 Codes) is required to use all of its outputs.

450R



Clifford G5 XHF+ Receiver Upgrade Kit

SAW version of the external antenna/receiver for Clifford's G5 and Viper ranges. Upgrade for XHF in high interference areas - includes both aerial and harness.

543T



Clifford G4 XHF Receiver Upgrade Kit

SAW version of the Clifford's G4 range, - includes both aerial and harness.

A543C



G5 and Viper Receiver

Clifford's G5 and Viper ranges XR and XHF - Receiver only.

A543

SWITCHES, RELAYS & DIODES

SWITCHES



Straight-Pin switch Bracket

Previously 690T. Straight-steel sliding bracket allows mounting of a pin switch.

8614



Adjustable, Heavy-Duty Pin switch

Previously 630T. Sturdy, easily adjusted switch used for protection of entry points. Self-grounding through chassis.

8607



Magnetic Switch

One of the only switches with both normally open and normally closed contacts.

8601



Micro Magnetic Switch

The most compact magnetic switch available; adhesive pre-applied, with leads. Normally closed when contacts are apart.

8600



Universal Door Switches

PC5-34 - Blister of 2

S-20 - Bag of 25

XS-20 - Bulk



Short Adjustable Pin Switches

PC5-35 - Blister of 2

S-22 - Bag of 25

XS-22 - Bulk



Long Adjustable Pin Switches

PC5-36 - Blister of 2

S-23 - Bag of 25

XS-23 - Bulk



Hatchback/Boot/Bonnet Switch

PC5-53 - Blister of 2

S-21 - Bag of 25

XS-21 - Bulk



Sliding Door Contact Set

PC5-84 - Blister of 1

S-49 - Bag of 1



Self Adjusting Pillar Switch

S-24 - Bag of 25

XS-24 - Bulk



Pre-Wired Microswitch

PC5-38 - Blister of 1

S-37 - Bag of 10

XS-37 - Bulk

RELAYS



Pre-Wired Mini Relay

20/10A. Cost-effective solution for domelight supervision, boot release and more.

8616



Starter Kill Relay

Heavy-duty Directed Electronics 40A relay plugged into 3-wire socket. Uses switch side of starter wire to power relay. Allows faster starter kill install with only one wire between relay and system.

8618



Dual Make Relay Assembly with Fuse

15A contact. Perfect for European cars with separate left and right parking lights, multiple horn/siren outputs or fog lights. Has same footprint as regular SPDT relay, making it useful with conventional relay sockets. Can be used to energize second ignition, starter, accessory or cold-crank circuits (under 15A) on 551T relay satellite.

8626



30A Relay

Heavy-duty automotive 40/30A relay.

610T



Switching Relay 30 Amp/12 V
Bag of 10: **S-27**
No Packaging: **REL1**



Changeover Relay 30 Amp/12 V
Bag of 10: **S-28**
No Packaging: **REL7**



Central Locking Timer Relay
No Packaging: **S-43**



Relay Housing & Terminals
Bag of 10: **S-31**

DIODES



1 Amp Diodes
S-251 – Bag of 100



3 Amp Diodes
S-253 – Bag of 100



1 In/3 Out Diode Assembly
S-26 – Bag of 10;
XS-26 – Bulk

BATTERIES



3V Lithium 2032 battery
Replacement 3V batteries for remote control transmitters.
S-72 – Pack of 5



3V Lithium 2016 battery
Used with first generation 476R.
S-70 – Pack of 5



3V Button Cell Battery (CR-2025)
S-71 – Blister of 5



12V Remote Alarm Battery
PC5-32 – Blister of 2
S-10 – Box of 50

GENERIC VEHICLE & SYSTEM ENHANCEMENT



Remote Garage Door Opener / 3-Channer Receiver Expansion

- Security add on or Electric Garage Door opener
- 2-way compatible
- 6 programmable channel outputs
- Garage door venting feature
- Garage door open reminder (2-way only)
- Passive close
- Closed Loop sensor
- Magnetic Reed Switch Included

519H2



Nite-Lite® System

- Auto Light feature
- Headlight activation
- Safe light mode
- Daytime Running Light Mode
- Programmable Timer mode
- Compact Photo Cell

545T

COMPATIBILITY CHARTS

OEM CAN Bus Alarms

CANMAX400

CAN BUS OEM ALARM COMPATIBILITY CHART

* - New Feature is now available for CAN OEM Clifford - Comfort Closure.

Note1 - for this cars alarm must be activated with Diagnosis tool by an authorized dealer

Legend	
1A	330X1 / 3901T
1B	330X2 / 3902T
1C	330X3 / 3903T

CARS			MODULE	CAN CONNECTION	
MAKE	BRAND	YEAR		CAN H	CAN L
Acura	CSX	2006 - up	1B	pink	
	MDX	2007 - up	1B	brown/black	
	RDX	2007 - up	1B	pink	
	RSX	2005 - 2006	1B	brown/black	
	TL	2009 - up	1C	pink	blue
	TL	2006 - 2008	1B	brown/black	
	TSX	2009 - up	1C	pink	blue
Alfa Romeo	TSX	2006 - 2008	1B	brown/red	
	159	2005 - up	1A	black/pink	white/pink
	Brera	2005 - up	1A	black/pink	white/pink
Audi*	Mito	2008 - up	1A	blue	white
	A3	2004 - up	1A	orange/green	orange/brown
	A4	2002 - up	1A	orange/green	orange/brown
	A4 Cabrio	2007	1A	orange/green	orange/brown
	A4(2008)	2008 - up	1A	orange/green	orange/brown
	A5	2007 - up	1A	orange/green	orange/brown
	A6	2004 - up	1A	orange/green	orange/brown
	A6 Allroad	2007	1A	orange/green	orange/brown
	A8	2002 - up	1A	orange/green	orange/brown
	Q5	2009 - up	1A	orange/green	orange/brown
	Q7	2006 - up	1A	orange/green	orange/brown
	R8	2008 - up	1A	orange/green	orange/brown
	RS4	2006 - up	1A	orange/green	orange/brown
	S4	2003 - 2007	1A	orange/green	orange/brown
	S5	2008 - up	1A	orange/green	orange/brown
	S6	2006 - up	1A	orange/green	orange/brown
	TT	2007 - up	1A	orange/green	orange/brown
BMW*	Serie 1	2004 - up	1A	orange/green	green
	Serie 3	2005 - up	1A	orange/green	green
	Serie 5	2003 - up	1A	black	yellow
	Serie 6	2004 - up	1A	black	yellow
	X5	2007 - up	1A	orange/green	green
	X6	2008 - up	1A	orange/green	green
Buick	Enclave	2008 - up	1B	green	
	Lucerne	2006 - up	1B	green	
Cadillac	BLS	2007 - up	1B	green	
	CTS	2008 - up	1B	green	
	DTS	2006 - up	1B	green	
	Escalade	2006 - up	1B	green	
	SRX	2007	1B	green	
	STS	2006 - up	1B	green	
Chevrolet	Avalanche	2006 - up	1B	green	
	Captiva	2006 - up	1B	green	
	Cobalt	2006 - up	1B	green	
	Cruze	2009 - up	1B	green	
	Equinox	2006 - up	1B	green	
	HHR	2006 - up	1B	green	
	Impala	2006 - up	1B	green	
	Malibu	2006 - up	1B	green	
	Monte Carlo	2006 - up	1B	green	
	Silverado	2006 - up	1B	green	
	Suburban	2006 - up	1B	green	
	Tahoe	2006 - up	1B	green	
Chrysler	300C	2005 - up	1A	white/orange	white
	Aspen	2007	1A	white/orange	white
	Pt Cruiser	2001 - 2007	1A	white/orange	white
	Sebring	2006 - up	1A	white/orange	white

CARS			MODULE	CAN CONNECTION	
MAKE	BRAND	YEAR		CAN H	CAN L
Citroen	C2 (note1)	2004 - up	1A	pin 3	pin 5
	C3 (note1)	2002 - up	1A	pin 3	pin 5
	C4 (note1)	2004 - up	1A	pin 3	pin 5
	C5 (note1)	2005 - up	1A	pin 3	pin 5
	C6 (note1)	2005 - up	1A	pin 3	pin 5
	C-Cross	2008 - up	1A	yellow	lt. green
	Jumper	2006 - up	1A	pin 3	pin 5
	Jumpy (note1)	2006 - up	1A	pin 3	pin 5
Dodge	Avenger	2008 - up	1A	white/orange	white
	Caliber	2007 - up	1A	white/orange	white/pink
	Caravan/Grand Caravan	2008 - up	1C	white/grey	white/orange
	Charger	2006 - up	1A	white/orange	white
	Dakota	2006 - up	1A	white/orange	white
	Durango	2004 - up	1A	white/orange	white
	Journey	2009 - up	1C	white/black	white/lt.blue
	Magnum	2005 - up	1A	white/orange	white
	Nitro	2007 - up	1C	white/grey	white/orange
	RAM	2006 - 2008	1A	white/orange	white
	Sprinter	2006 - up	1A	brown/red	brown
Fiat	500	2008 - up	1A	white	albastru
	Bravo	2007 - up	1A	blue	white
	Croma	2005 - up	1A	black/pink	white/pink
	Ducato New	2006 - up	1A	black/pink	white/pink
	Grande Punto	2005 - up	1A	black/pink	white/pink
	Linea	2007 - up	1A	blue	white
	Panda	2003 - up	1A	black/pink	white/pink
	Scudo (note1)	2007 - up	1A		
	Stilo	2001 - 2007	1A	black/pink	white/pink
Ford (EU)	C-Max	2007 - up	1C	grey	blue
	Fiesta	2006 - up	1C	grey/red (pin3)	blue/red (pin11)
	Fiesta'09	2009 - up	1C	grey/orange	violet/orange
	Focus	2006 - up	1C	grey	blue
	Fusion	2007 - up	1C	grey/red (pin3)	blue/red (pin11)
	Galaxy	2005 - up	1C	grey/orange	violet/orange
	KR II	2009 - up	1A	blue	white
	Kuga	2008 - up	1C	grey	blue
	Mondeo	2007 - up	1C	grey/orange	violet/orange
Ford (USA)	S-Max	2006 - up	1C	grey/orange	violet/orange
	Edge	2007 - up	1C	gray/orange	purple/orange
	Falcon FG	2008 - up	1C	brown/yellow	black/yellow
	Flex	2006 - up	1C	gray/orange	purple/orange
	Focus	2006 - up	1C	gray/orange	purple/orange
	Fusion	2007 - up	1C	gray/orange	purple/orange
GMC	Taurus X	2005 - up	1C	gray/orange	purple/orange
	Acadia	2008 - up	1B	green	
	Sierra	2006 - up	1B	green	
Holden	Yukon	2006 - up	1B	green	
	Captiva	2008 - up	1B	green	
Honda	Accord	2008 - up	1C	pink	blue
	Accord	2004 - 2007	1B	brown/red	
	Civic	2006 - up	1B	pink	
	CR-V	2006 - up	1B	pink	
	Fit/Jazz	2009 - up	1B	green	
	Odyssey	2006 - up	1B	green/red	
	Pilot	2009 - up	1C	pink	blue
	Ridgeline	2006 - up	1B	brown/black	
Jeep	Commander	2006 - up	1A	white/orange	white
	Compass	2006 - up	1A	white/orange	white/pink
	Grand Cherokee	2005 - up	1A	white/orange	white
	Liberty	2007 - up	1C	white/grey	white/orange
	Patriot	2008 - up	1A	white/orange	white
	Wrangler	2006 - up	1C	white/grey	white/orange

CARS			MODULE	CAN CONNECTION	
MAKE	BRAND	YEAR		CAN H	CAN L
Lancia	Delta	2008 - up	1A	blue	white
	Musa	2004 - up	1A	black/pink	white/pink
	Ypsilon	2006 - up	1A	black/pink	white/pink
Lincoln	MKZ	2008 - up	1C	gray/orange	purple/orange
Mazda	2	2008 - up	1C	pin 6	pin 14
	3	2004 - 2009	1C	pin 3	pin 11
	3	2010	1C	pin 6	pin 14
	5	2006 - up	1C	pin 3	pin 11
	6	2008 - up	1C	pin 6	pin 14
	CX7	2007 - up	1C	pin 6	pin 14
	CX9	2007 - up	1C	pin 6	pin 14
Mercedes	A Classe (W169)	2005 - up	1A	brown/red	brown
	B Classe (W245)	2005 - up	1A	brown/red	brown
	C Classe (W203)	2005 - 2007	1A	brown/red	brown
	C Classe (W204)	2007 - up	1C	brown/red	brown
	C L (C216)	2006 - up	1C	brown/red	brown
	C L C (CL203)	2008 - up	1A	brown/red	brown
	C L K (W209)	2002 - up	1A	brown/red	brown
	C L S (W219)	2005 - up	1A	brown/red	brown
	E Classe (W211)	2003 - up	1A	brown/red	brown
	E Classe (W212)	2009 - up	1A	brown/red	brown
	GL Classe (X164)	2006 - up	1A	brown/red	brown
	GLK Classe (X204)	2008 - up	1C	brown/red	brown
	M Classe (W164)	2006 - up	1A	brown/red	brown
	R Classe (V251)	2006 - up	1A	brown/red	brown
	S Classe (W221)	2007 - up	1C	brown/red	brown
	Sprinter	2006 - up	1A	brown/red	brown
	Vito/Viano	2006 - up	1A	brown/red	brown
MINI*	Cooper	2008 - up	1A	orange/green	green
	Convertible	2009 - up	1A	orange/green	green
Mitsubishi	Lancer/Evo 10	2007 - up	1A	yellow	lt. green
	Outlander	2007 - up	1A	yellow	lt. Green
Nissan	350Z	2003 - up	1C	pin 6	pin 14
	Micra	2007 - up	1C	pin 6	pin 14
	Navara	2005 - up	1C	pin 6	pin 14
	Pathfinder EU	2005 - up	1C	pin 6	pin 14
	Pathfinder USA	2005 - up	1C	pin 6	pin 14
	Qashqai	2007 - up	1C	pin 6	pin 14
	Tiida	2007 - up	1C	pin 6	pin 14
	X-Trail	2007 - up	1C	pin 6	pin 14
Opel/Vauxahall	Antara	2007	1B	green	
	Astra H	2005 - 2009	1B	green	
	Astra j	2010 - up	1B	green	
	Corsa D	2006 - up	1B	green	
	Insignia	2009 - up	1B	green	
	Signum	2004 - up	1B	green	
	Vectra C	2004 - up	1B	green	
Peugeot	Zafira	2006 - up	1B	green	
	307	2001 - 2005	1A	cream	blue
	307	2006 - 2007	1A	pin8	pin10
	308	2007 - up	1A	pin8	pin10
	407	2004 - up	1A	pin8	pin10
	4007	2008 - up	1A	yellow	lt. green
	207 (note1)	2006 - up	1A	pin 3	pin 5
	307 (note1)	2001 - 2007	1A	pin 3	pin 5
	308 (note1)	2007 - up	1A	pin 3	pin 5
	407 (note1)	2004 - up	1A	pin 3	pin 5
	Boxer New	2006 - up	1A	black/pink	white/pink
	Expert (note1)	2007 - up	1A	pin 3	pin 5
Pontiac	G5	2008 - up	1B	green	
	G6	2005 - up	1B	green	
	Solstice	2006 - 2007	1B	green	
	Torrent	2006 - up	1B	green	
	Vibe	2009 - up	1C	??	??

CARS			MODULE	CAN CONNECTION	
MAKE	BRAND	YEAR		CAN H	CAN L
Porsche*	Cayenne	2003 - up	1A	orange/green	orange/brown
Renault	Clio III	2005 - up	1C	pin 6	pin 14
	Fluence	2010 - up	1C	pin 6	pin 14
	Kangoo III	2008 - up	1C	pin 6	pin 14
	Laguna III	2008 - up	1C	pin 6	pin 14
	Megane III	2009 - up	1C	pin 6	pin 14
	Scenic III	2009 - up	1C	pin 6	pin 14
SAAB	9-3	2008 - up	1B	green	
Saturn	Aura	2007 - up	1B	green	
	Outlook	2007 - up	1B	green	
	Sky	2007 - up	1B	green	
	Vue	2007 - up	1B	green	
Seat*	Altea	2004 - up	1A	orange/green	orange/brown
	Cordoba	2002 - 2007	1A	orange/green	orange/brown
	EXEO	2009 - up	1A	orange/green	orange/brown
	Ibitza	2004 - 2007	1A	orange/green	orange/brown
	Ibitza	2008 - up	1A	orange/green	orange/brown
	Leon 1	1999 - 2007	1A	orange/green	orange/brown
	Leon 2	2005 - 2009	1A	orange/green	orange/brown
	Leon 2	2010 - up	1A	orange/green	orange/brown
Skoda	Toledo 3	2004 - up	1A	orange/green	orange/brown
	Fabia	1999 - 2007	1A	orange/green	orange/brown
	New Fabia	2007 - up	1A	orange/green	orange/brown
	Octavia II	2005 - 2008	1A	orange/green	orange/brown
	Octavia III	2009 - up	1A	orange/green	orange/brown
	Octavia Scout	2006 - up	1A	orange/green	orange/brown
	Octavia Tour	1996 - 2007	1A	yellow	black
	Roomster	2006 - up	1A	orange/green	orange/brown
Toyota	Superb	2004 - 2008	1A	orange/green	orange/brown
	Superb II	2009 - up	1A	orange/green	orange/brown
	Auris	2007 - up	1C	green (pin6)	white (pin14)
	Avenxis III	2009 - up	1C	blue (pin6)	white (pin14)
	Camry	2007 - up	1C	OBD2 - pin6	OBD2 - pin14
	Corolla New	2007 - up	1C	black (pin6)	white (pin14)
	Highlander	2008 - up	1C	OBD2 - pin6	OBD2 - pin14
	IQ	2009 - up	1C	violet (pin6)	white (pin14)
	Land Cruiser 200	2009-up	1C	green (pin6)	black (pin14)
	Matrix	2009 - up	1C	OBD2 - pin6	OBD2 - pin14
	Rav4	2006 - up	1C	black (pin6)	white (pin14)
	Tundra	2008 - up	1C	OBD2 - pin6	OBD2 - pin14
	Urban Cruiser	2009 - up	1C	violet (pin6)	white (pin14)
	Verso	2009 - up	1C	green (pin6)	white (pin14)
VW*	Yaris	2005 - up	1C	violet (pin6)	white (pin14)
	Caddy	2005 - up	1A	orange/green	orange/brown
	Caravele	2004 - up	1A	orange/green	orange/brown
	Crafter	2006 - up	1A	brown	brown/red
	EOS	2006 - up	1A	orange/green	orange/brown
	Golf IV	1997 - 2003	1A	orange/green	orange/brown
	Golf V Plus	2005 - up	1A	orange/green	orange/brown
	Golf V	2003 - 2009	1A	orange/green	orange/brown
	Golf VI	2009 - up	1A	orange/green	orange/brown
	Jetta 5	2005 - up	1A	orange/green	orange/brown
	Multivan	2004 - up	1A	orange/green	orange/brown
	New Beetle	2005 - up	1A	orange/green	orange/brown
	New Passat	2005 - up	1A	orange/green	orange/brown
	Passat	1996 - 2005	1A	orange/green	orange/brown
	Passat CC	2008 - up	1A	orange/green	orange/brown
	Polo	2005 - up	1A	orange/green	orange/brown
	Scirocco	2008 - up	1A	orange/green	orange/brown
	Tiguan	2008 - up	1A	orange/green	orange/brown
	Touareg	2003 - up	1A	orange/green	orange/brown
	Touran	2003 - up	1A	orange/green	orange/brown
	Transporter	2004 - up	1A	orange/green	orange/brown

CANMAXX400 COMPATIBILITY CHART

AT - Automatic Transmission

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CARS			CAN CONNECTION		RS SUPPORT
MAKE	BRAND	YEAR	CAN H	CAN L	
Audi	A3	2004 - up	orange/green	orange/brown	ok
	A4	2002 - up	orange/green	orange/brown	ok
	A4 Cabrio	2007	orange/green	orange/brown	ok
	A4(2008)	2008 - up	orange/green	orange/brown	ok
	A5	2007 - up	orange/green	orange/brown	ok
	A6	2004 - up	orange/green	orange/brown	ok
	A6 Allroad	2007	orange/green	orange/brown	ok
	A8	2002 - up	orange/green	orange/brown	n/a
	Q5	2009 - up	orange/green	orange/brown	ok
	Q7	2006 - up	orange/green	orange/brown	ok
	R8	2008 - up	orange/green	orange/brown	ok
	RS4	2006 - up	orange/green	orange/brown	ok
	S4	2003 - 2007	orange/green	orange/brown	ok
	S5	2008 - up	orange/green	orange/brown	ok
	S6	2006 - up	orange/green	orange/brown	ok
	TT	2007 - up	orange/green	orange/brown	ok
BMW	Serie 1	2004 - up	orange/green	green	ok (only AT)
	Serie 3	2005 - up	orange/green	green	ok (only AT)
	Serie 5	2003 - up	black	yellow	ok (only AT)
	Serie 6	2004 - up	black	yellow	ok (only AT)
	X5	2007 - up	orange/green	green	ok (only AT)
	X6	2008 - up	orange/green	green	ok (only AT)
Chevrolet	Cruze	2008 - up	pin 6 (OBD2)	pin 14 (OBD2)	ok
Holden	Cruze	2008 - up	pin 6 (OBD2)	pin 14 (OBD2)	ok
Mercedes	A Classe (W169)	2005 - up	brown/red	brown	n/a
	B Classe (W245)	2005 - up	brown/red	brown	n/a
	C Classe (W203)	2005 - 2007	brown/red	brown	n/a
	C Classe (W204)	2007 - up	brown/red	brown	n/a
	C L (C216)	2006 - up	brown/red	brown	n/a
	C L C (CL203)	2008 - up	brown/red	brown	n/a
	C L K (W209)	2002 - up	brown/red	brown	n/a
	C L S (W219)	2005 - up	brown/red	brown	n/a
	E Classe (W211)	2003 - up	brown/red	brown	n/a
	E Classe (W212)	2009 - up	brown/red	brown	n/a
	GL Classe (X164)	2006 - up	brown/red	brown	n/a
	GLK Classe (X204)	2008 - up	brown/red	brown	n/a
	M Classe (W164)	2006 - up	brown/red	brown	n/a
	R Classe (V251)	2006 - up	brown/red	brown	n/a
	S Classe (W221)	2007 - up	brown/red	brown	n/a
	Sprinter	2006 - up	brown/red	brown	n/a
	Vito/Viano	2006 - up	brown/red	brown	n/a
Mini	Cooper	2008 - up	orange/green	green	ok (only AT)
Nissan	Navara	2005 - up	pin 6 (OBD2)	pin 14 (OBD2)	ok
	Pathfinder EU	2005 - up	pin 6 (OBD2)	pin 14 (OBD2)	ok
	Qashqai	2007 - up	pin 6 (OBD2)	pin 14 (OBD2)	ok
	X-Trail	2007 - up	pin 6 (OBD2)	pin 14 (OBD2)	ok
Opel	Astra H	2005 - 2009	pin 6 (OBD2)	pin 14 (OBD2)	ok
	Astra J	2010 - up	pin 6 (OBD2)	pin 14 (OBD2)	ok
	Insignia	2008 - up	pin 6 (OBD2)	pin 14 (OBD2)	ok
	Signum	2005 - 2008	pin 6 (OBD2)	pin 14 (OBD2)	ok
	Vectra C	2005 - 2008	pin 6 (OBD2)	pin 14 (OBD2)	ok
	Zafira	2005 - up	pin 6 (OBD2)	pin 14 (OBD2)	ok
Porsche	Cayenne	2006 - up	orange/green	orange/brown	ok

CARS			CAN CONNECTION		RS SUPPORT
MAKE	BRAND	YEAR	CAN H	CAN L	
Seat	Altea	2004 - up	orange/green	orange/brown	ok
	EXEO	2009 - up	orange/green	orange/brown	ok
	Leon 2	2005 - up	orange/green	orange/brown	ok
	Toledo 3	2004 - up	orange/green	orange/brown	ok
Skoda	Octavia II	2005 - up	orange/green	orange/brown	ok
	Octavia Scout	2006 - up	orange/green	orange/brown	ok
	Superb II	2009 - up	orange/green	orange/brown	ok
Toyota	Auris	2007 - up	green (OBD2 - pin6)	white (OBD2 - pin14)	ok
	Avensis III	2009 - up	blue (OBD2 - pin6)	white (OBD2 - pin14)	ok
	Corolla New	2007 - up	green (OBD2 - pin6)	white (OBD2 - pin14)	ok
	IQ	2009 - up	violet(OBD2 - pin6)	white (OBD2 - pin14)	ok
	Land Cruiser 200	2009 - up	green (OBD2 - pin6)	black (OBD2 - pin14)	ok
	Land Cruiser 150	2010 - up	green (OBD2 - pin6)	black (OBD2 - pin14)	ok
	Toyota Rav4	2006 - up	black (OBD2 - pin6)	white (OBD2 - pin14)	ok
	Urban Cruiser	2009 - up	violet (OBD2 - pin6)	white (OBD2 - pin14)	ok
	Verso	2009 - up	green (OBD2 - pin6)	white (OBD2 - pin14)	ok
	Yaris	2005 - up	violet (OBD2 - pin6)	white (OBD2 - pin14)	ok
VW	Caddy	2005 - up	orange/green	orange/brown	ok
	EOS	2006 - up	orange/green	orange/brown	ok
	Golf IV	1997 - 2003	orange/green	orange/brown	ok
	Golf V Plus	2005 - up	orange/green	orange/brown	ok
	Golf V	2003 - up	orange/green	orange/brown	ok
	Golf VI	2009 - up	orange/green	orange/brown	ok
	Jetta 5	2005 - up	orange/green	orange/brown	ok
	New Beetle	2005 - up	orange/green	orange/brown	ok
	New Passat	2005 - up	orange/green	orange/brown	ok
	Passat	1996 - 2005	orange/green	orange/brown	ok
	Passat CC	2008 - up	orange/green	orange/brown	ok
	Scirocco	2008 - up	orange/green	orange/brown	ok
	Tiguan	2008 - up	orange/green	orange/brown	ok
	Touran	2003 - up	orange/green	orange/brown	ok
	Touareg	2006 - up	orange/green	orange/brown	ok

